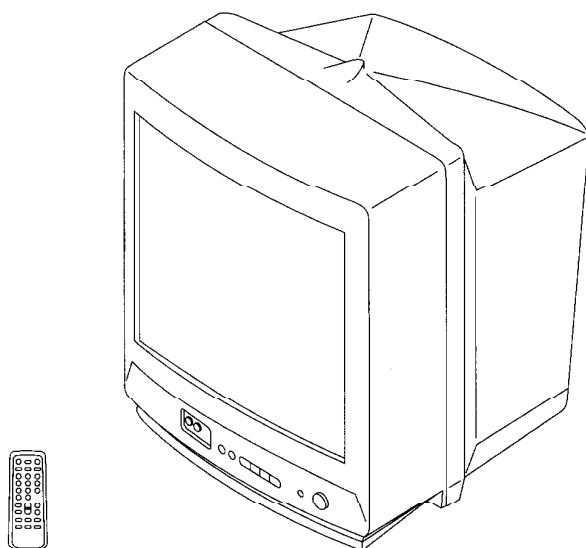


SERVICE MANUAL

BG-2S CHASSIS

<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>	<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>
KV-G14M2	RM-869	ME	SCC-U07C-A				
KV-G14M2S	RM-869	GE	SCC-U07C-A				
KV-G14P21S	RM-869	GE	SCC-U05L-A				
KV-G14P2S	RM-869	GE	SCC-U05H-A				
KV-G14Q2	RM-869	E	SCC-U03F-A				
KV-G14Q2	RM-869	ME	SCC-U07D-A				
KV-G14Q2S	RM-869	GE	SCC-U05J-A				
KV-G14S2	RM-869	OCE	SCC-U04B-A				



TRINITRON® COLOR TV
SONY®

SPECIFICATIONS

		Note
Power requirements	110-240 V AC, 50/60 Hz	
Power consumption (W)	Indicated on the rear of the TV	
Television system	B/G, I, D/K, M	KV-G14M2/M2S
	B/G	KV-G14P21S/P2S/Q2/S2
Color system	PAL, PAL 60, SECAM, NTSC4.43, NTSC3.58	KV-G14M2/M2S/Q2
	PAL, PAL 60, NTSC4.43, NTSC3.58 (AV IN)	KV-G14P21S/P2S
Teletext language	English, French, Arabic	KV-G14P21S only
Channel coverage		
B/G	VHF: E2 to E12 / UHF: E21 to E69 / CATV: S01 to S03, S1 to S41	
I	UHF: B21 to B68 / CATV: S01 to S03, S1 to S41	KV-G14M2/M2S only
D/K	VHF: C1 to C12, R1 to R12/UHF: C13 to C57, R21 to R60 / CATV: S01 to S03, S1 to S41, Z1 to Z39	KV-G14M2/M2S only
M	VHF: A2 to A13 / UHF: A14 to A79 / CATV: A-8 to A-2, A to W+ 4, W+ 6 to W+ 84	KV-G14M2/M2S only
Audio output (speaker)	3W	
Inputs	⏏ (antenna): 75 ohms external terminal ➡ (video input) jacks: phono jacks ⊕ (video): 1 Vp-p, 75 ohms ♪ (audio): 500 mVrms, high impedance	
Outputs	□ (earphone) jack: mini jack ➡ (monitor output) jacks: phono jacks ⊕ (video): 1 Vp-p, 75 ohms ♪ (audio): 500 mVrms	
Picture tube	14 in.	
Tube size (cm)	37	Measured diagonally
Screen size (cm)	34	Measured diagonally
Dimensions (w/h/d, mm)	373 × 346 × 412	
Mass (kg)	11	

Design and specifications are subject to change without notice.

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING!!

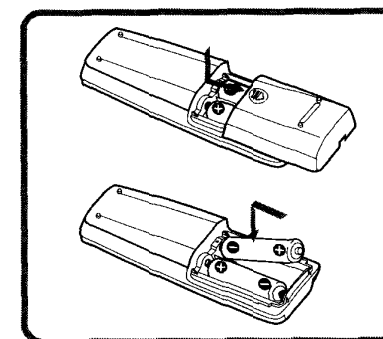
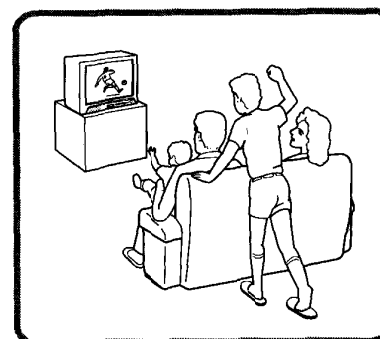
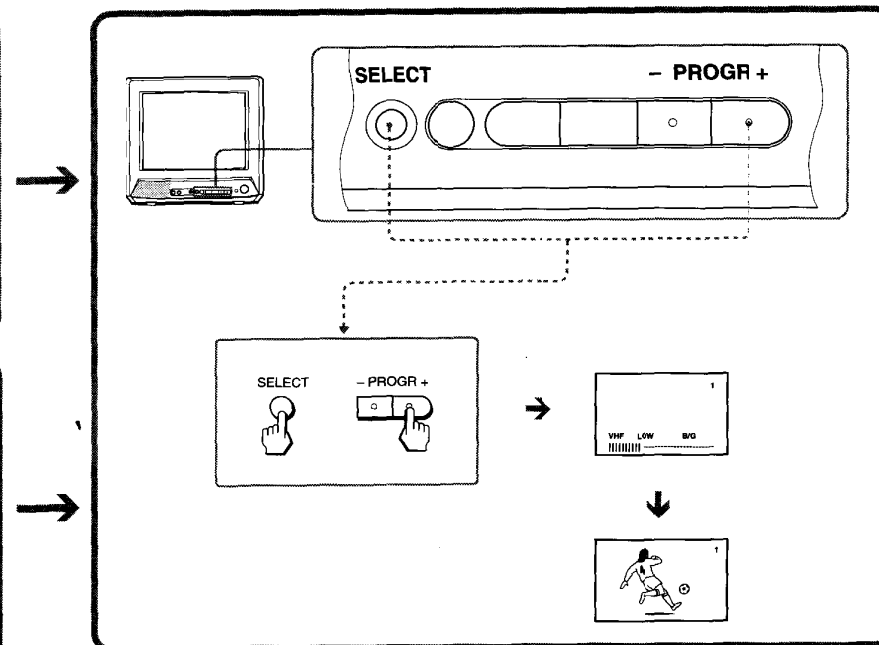
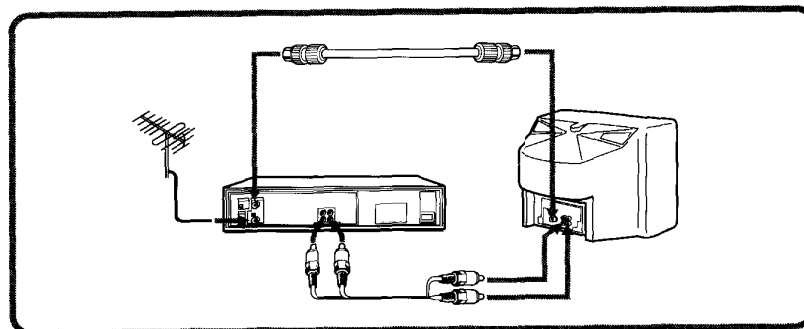
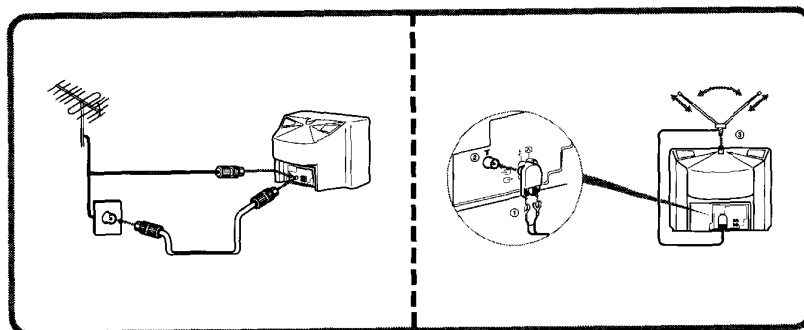
COMPONENTS IDENTIFIED BY SHADING AND MARK \triangle ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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SECTION 1 GENERAL

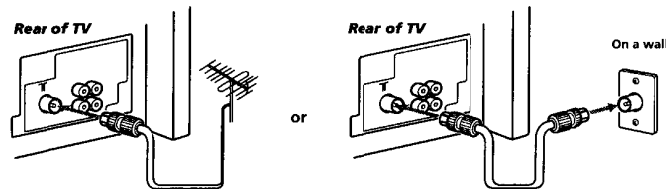
The operating instructions mentioned here are partial abstracts from the Operating Instructions Manual. The page numbers of the Operating Instruction Manual remain as in this manual.



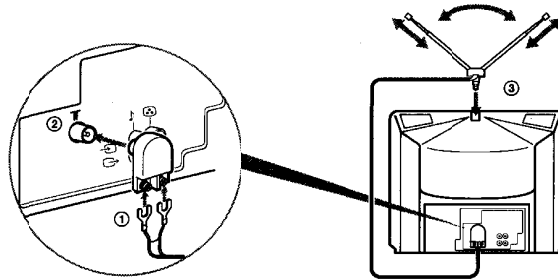
Connections

Connecting a VHF antenna or a combination VHF/UHF antenna — 75-ohm coaxial cable (round)

Attach an optional IEC antenna connector to the 75-ohm coaxial cable.
Plug the connector into the T (antenna) socket at the rear of the TV.



Connecting an indoor antenna



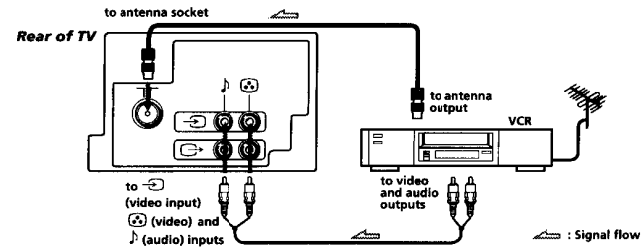
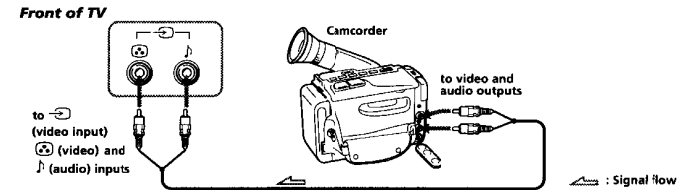
Note

- You are advised to use an outdoor antenna for better reception.

Connecting optional equipment

You can connect optional audio/video equipment to your TV such as a VCR, multi disc player, camcorder, or video game.

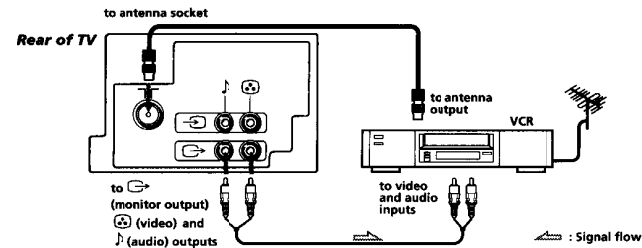
Connecting video equipment using the (video input) jack



When connecting video equipment to the (video input) jack

Do not connect video equipment to the (video input) jacks at the front and the rear of your TV simultaneously; otherwise the picture will not be displayed properly on the screen.

Connecting audio/video equipment using the (monitor output) jack



When recording through the (monitor output) jack

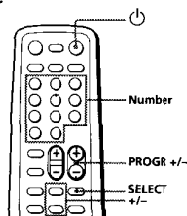
Do not change the channel or video input while recording with a VCR; otherwise the channel or video input you are recording also will be changed.

Presetting channels

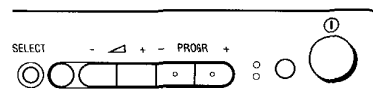
You can preset up to 100 TV channels in numerical sequence from: program position 1 using the buttons on the remote commander or the TV.

You can prese: TV channels quickly, automatically or manually.

Remote commander



Front of TV



Quick channel presetting

- 1 Press ① to turn on the TV.



When the TV is turned on in standby mode, press ① on the remote commander.

- 2 Press SELECT and PROGR + on the TV simultaneously for one to two seconds.



If the picture color is poor and/or the sound is noisy (for KV-G14M2/G14M2S only)

Select the appropriate TV system as follows:

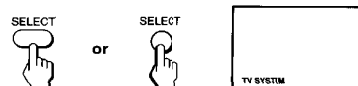
- 1 Press SELECT on the remote commander or the TV until "TV SYSTEM" appears.
- 2 Press +/- on the remote commander or +/- on the TV until the picture and sound becomes normal.

Notes

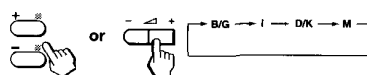
- If you do not know your local TV system, consult your nearest authorized service center or dealer.
- The setting of the "TV SYSTEM" is memorized for each program position.

Presetting channels automatically

- 1 Press SELECT on the remote commander or the TV until "TV SYSTEM" appears on the screen (for KV-G14M2/G14M2S only).



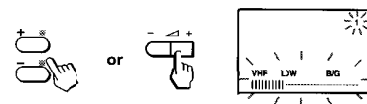
- 2 Press +/- on the remote commander or +/- on the TV to select the TV system (for KV-G14M2/G14M2S only).



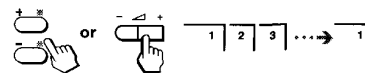
- 3 Press SELECT on the remote commander or the TV until "AUTO PROGRAM" appears on the screen.



- 4 Press +/- on the remote commander or +/- on the TV.

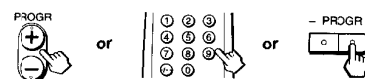


- 5 Press +/- on the remote commander or +/- on the TV again.



To start presetting channels automatically from the specified program position

Press PROGR +/- or number buttons on the remote commander or PROGR +/- on the TV until the required program position appears on the screen after step 4 of "Presetting channels automatically".

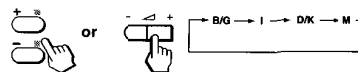


Presetting channels manually

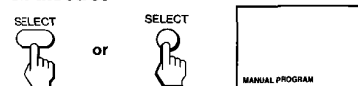
- 1 Press SELECT on the remote commander or the TV until "TV SYSTEM" appears on the screen (for KV-G14M2/G14M2S only).



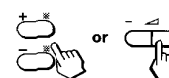
- 2 Press +/- on the remote commander or +/- on the TV to select the TV system (for KV-G14M2/G14M2S only).



- 3 Press SELECT on the remote commander or the TV until "MANUAL PROGRAM" appears on the screen.



- 4 Press +/- on the remote commander or +/- on the TV.



- 5 Press PROGR +/- or number buttons on the remote commander or PROGR +/- on the TV until the required program position appears on the screen.



- 6 Press +/- on the remote commander or +/- on the TV until the required channel picture appears on the screen.



- 7 Press SELECT on the remote commander or the TV.



Disabling program positions

- 1 Press PROGR +/- or number buttons on the remote commander or PROGR +/- on the TV until the unused or unwanted program position appears on the screen.

- 2 Press SELECT on the remote commander or the TV until "MANUAL PROGRAM" appears on the screen.

- 3 Press +/- on the remote commander or +/- on the TV.

- 4 Press PIC MODE on the remote commander.

- 5 Press SELECT on the remote commander or the TV.

To preset the disabled program position again
Preset the channel quickly, automatically or manually.

Watching the TV

1 Press ① to turn on the TV.

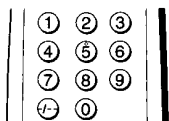


When the TV is turned on in standby mode, press ① on the remote commander.

2 Select the TV program you want to watch.

To select a program position directly

Press the number button.



To select a two-digit program position, press “-/-” before the number buttons.

For example: to select program position 25, press “-/-,” and then “2” and “5.”



To scan through program positions

Press PROGR +/- until the program position you want appears.



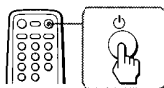
3 Press Δ +/- to adjust the volume.



Turning off the TV

To turn off the TV temporarily

Press ① on the remote commander. The ① indicator on the TV lights up.



To turn off the TV completely

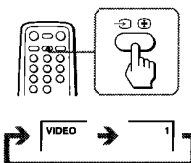
Press ① on the TV.

If the power on the TV is turned off in standby mode, the ① indicator on the TV may remain alight for a while.



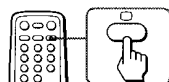
Watching the video input

Press \rightarrow ②.



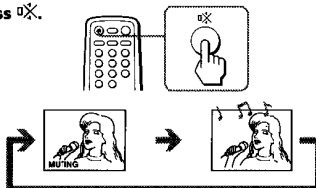
To watch TV

Press ①.



Muting the sound

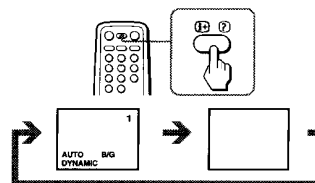
Press \times .



Displaying on-screen information

Press \rightarrow ②.

The program position, local system, and TV settings are displayed on the screen.

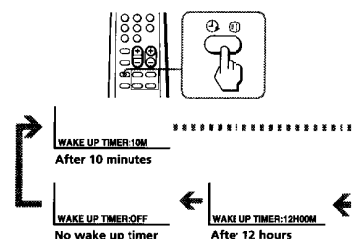


Setting the Wake Up Timer

You can set the TV automatically turned on as you program.

1 Press \rightarrow ② repeatedly to set the timer.

The on-screen display appears and the ② indicator on the TV lights up.



2 If you want a particular TV program or video input to be displayed using the Wake Up Timer, select the TV program or video input.

3 Press ① on the remote commander or set the Sleep Timer to turn off the TV in standby mode.

To cancel the Wake Up Timer, press \rightarrow ② repeatedly until “WAKE UP TIMER: OFF” appears, or turn off the main power of the TV.

Note:

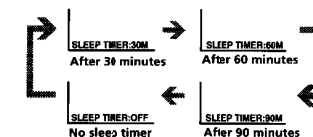
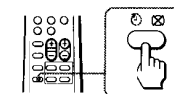
- The Wake Up Timer starts immediately after the on-screen display disappears.
- The last TV program position or video input just before the TV turns into standby mode will appear when the TV is turned on using the Wake Up Timer.

- If no buttons or controls are pressed for more than two hours after the TV is turned on using the Wake Up Timer, the TV automatically turns into standby mode. If you want to continue watching the TV, press any button or control on the TV or remote commander.

Setting the Sleep Timer

You can set the TV automatically turned off as you program.

Press \rightarrow ③.

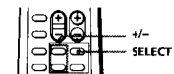


To cancel the Sleep Timer, press \rightarrow ③ repeatedly until “SLEEP TIMER: OFF” appears, or turn off the TV.

Changing the on-screen display language

■ For KV-G14M2/G14Q2(ME)

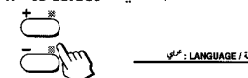
You can use buttons on the remote commander or the TV to change the on-screen display language.



1 Press SELECT until the screen appears as follows:



2 Press +/- to select “عربي”.



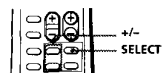
Note

- You can also use SELECT and Δ +/- on the TV to select the on-screen display language.

Changing the on-screen display language

■ For KV-G14M2S/G14P2S/Q14Q2(E)/G14Q2S/G14S2

If you prefer Chinese to English, you can use buttons on the remote commander or the TV to change the on-screen display language.



1 Press SELECT until the screen appears as follows:



2 Press +/- to select "中文".



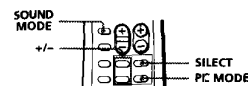
Note

- You can also use SELECT and +/- on the TV to select the on-screen display language.

Adjusting the picture

Note on the SOUND MODE button

- The sound mode feature is unavailable for your TV. Thus, the SOUND MODE button on the remote commander is not used for your TV.

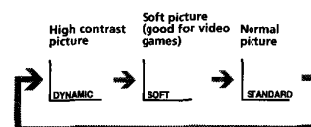


Selecting the picture mode

Press PIC MODE until the mode you want appears.



Each time you press PICMODE, the screen changes as follows:



Note

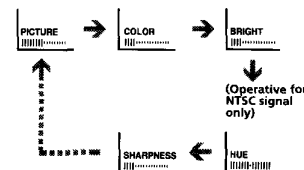
- If you change the picture mode after the following adjustments, the adjustment changes in accordance with the picture mode.

Adjusting the picture setting

1 Press SELECT until the item you want to adjust appears.



Each time you press SELECT, the screen changes as follows:



2 Press +/- to adjust the item.

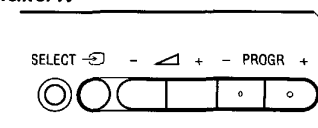


3 To adjust other items, repeat steps 1 and 2.

Note

- You can also use SELECT and +/- on the TV to adjust the picture setting.

Front of TV



If the picture color is abnormal when receiving programs through the ㄗ (antenna) terminal
Change the "TV SYSTEM" (for KV-G14M2/G14M2S only) or "COLOR SYSTEM" setting or adjust the "COLOR" level in the on-screen display until the color becomes normal.

If the picture is abnormal when receiving programs through the ㄣ (video input) jack
Change the "COLOR SYSTEM" setting or adjust the "COLOR" level in the on-screen display until the color becomes normal.

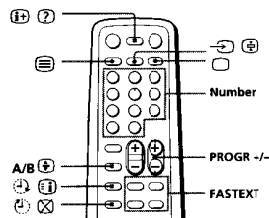
Note

- Normally set "COLOR SYSTEM" to "AUTO".

If the sound is distorted or noisy when receiving programs through the ㄗ (antenna) terminal
Change the "TV SYSTEM" setting (for KV-G14M2/G14M2S only) in the on-screen display until the sound becomes clear.

Viewing Teletext

KV-G14P21S only



For the KV-G14S2 and KV-G21S2 models, you need the Teletext adaptor: OPK-T400G (not supplied) to view the Teletext broadcast. You can request your nearest authorized service center or dealer to install the Teletext adaptor into your TV.

Displaying Teletext

- 1 Select a TV channel which carries the Teletext broadcast you want to watch.
- 2 Press to display the Teletext. A Teletext page (normally the index page) appears on the screen. If there is no Teletext broadcast, 100 appears at the top left corner of the screen.

To turn off Teletext, press .

Checking the contents of a Teletext service

Press to display an overview of the Teletext contents and page numbers.

Selecting a Teletext page

Press the number buttons to enter the three-digit page number of the Teletext page you want. If you make a mistake, enter the correct page number again.

To access the next or previous page, press **PROGR +/-**.

You can also access a Teletext page of any page numbers that appear in the colored column at the bottom of the screen using the corresponding color-coded button on the remote commander.

Holding a Teletext page

Press .

The symbol appears at the top left corner of the screen.

To resume normal Teletext operation, press again or .

Using FASTEXT

This feature allows you to quickly access a Teletext page that uses FASTEXT. When a FASTEXT program is broadcasted, a colored menu appears at the bottom of the screen. The colors of the menus correspond to the red (+), green (SELECT), yellow (-), and blue (PIC MODE) color-coded buttons on the remote commander.

To access a FASTEXT menu, press the color-coded button on the remote commander that corresponds to the colored menu which appears at the bottom of the screen. The menu page appears on the screen after several seconds.

Revealing concealed information

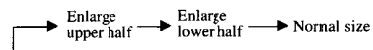
Press .

To conceal the information, press again.

Enlarging the Teletext display

Press **A/B**.

Each time you press **A/B**, the Teletext display changes as follows:



Superimposing a Teletext page on the TV picture

Press .

Each time you press , the screen changes as follows:



Waiting for a Teletext page while watching a TV program

- 1 Enter the page number of the Teletext you want to refer, then press .
- 2 When the page number appears on the screen, press to turn on the Teletext.

Additional Information

Troubleshooting

If you have any problems, read this manual again and check the countermeasure for each of the symptoms listed below.

If the problem persists after trying the methods below, contact your nearest authorized service center or dealer.

Snowy picture Noisy sound



- Check the antenna.
- Check the antenna connection on the TV and on the wall.
- Check the TV SYSTEM setting (for KV-G14M2/G14M2S only).

Dotted lines or stripes



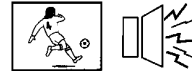
- This may be caused by local interference (e.g. cars, neon signs and hair dryers). Adjust the antenna for minimum interference.

Double images or "ghosts"



- This may be caused by reflections from nearby mountains or buildings. A highly directional antenna may improve the picture.

Good picture Noisy sound



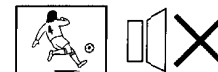
- Check the TV SYSTEM setting (for KV-G14M2/G14M2S only).

No picture No sound



- Press or .
- Check the antenna connection.
- Check the VCR connections.
- Check the power cord connection.
- Check the standby mode.

Good picture No sound



- Press .
- Press .

No color



- Adjust the COLOR level in the on-screen display.
- Check the COLOR SYSTEM setting.

TV cabinet creaks

- Even if the picture or the sound is normal, changes in the room temperature sometimes make the TV cabinet expand or contract, making a noise. This does not indicate a malfunction.

Note on the remote commander

- The supplied remote commander is used on several models of the TV. If you do not find instructions for some controls that are on the remote commander, that means your TV does not employ the features of those controls, e.g. and **SOUND MODE**.

Notes

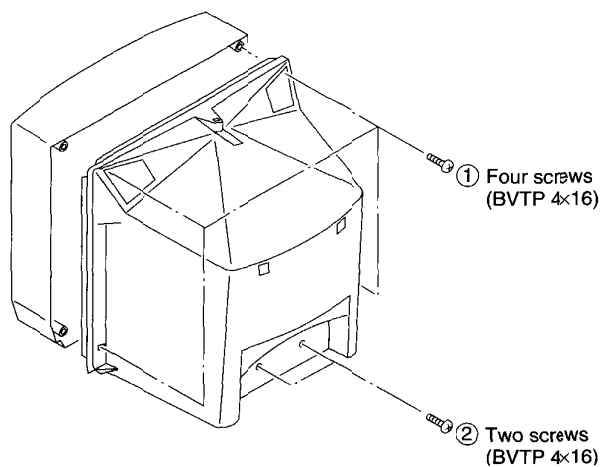
- When you turn on the TV, you may hear the "boon" sound that is caused by the demagnetization of the TV. This does not indicate a malfunction.
- The picture color may become abnormal if you change the direction of your TV. To obtain the normal picture color, press on the TV to turn off the TV for five minutes and then turn it on again.
- Design and specifications are subject to change without notice.
- All contents in the instruction manual are subject to change without notice.

WARNING

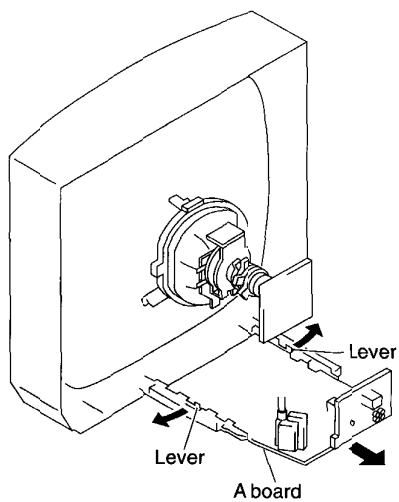
Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

SECTION 2 DISASSEMBLY

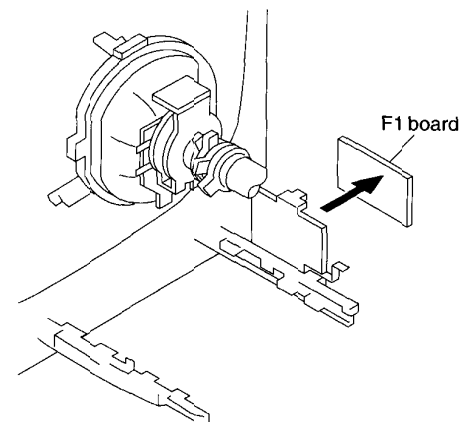
2-1. REAR COVER REMOVAL



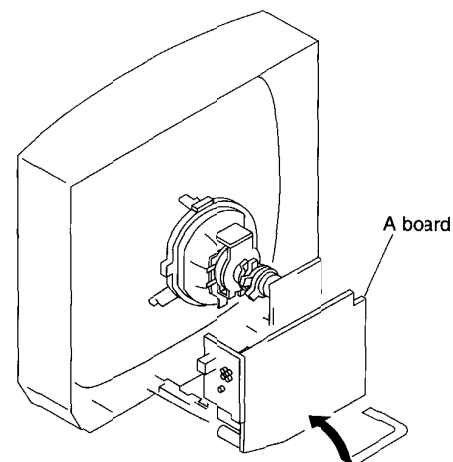
2-2. A BOARD REMOVAL



2-3. F1 BOARD REMOVAL (for KV-G14S2 only)



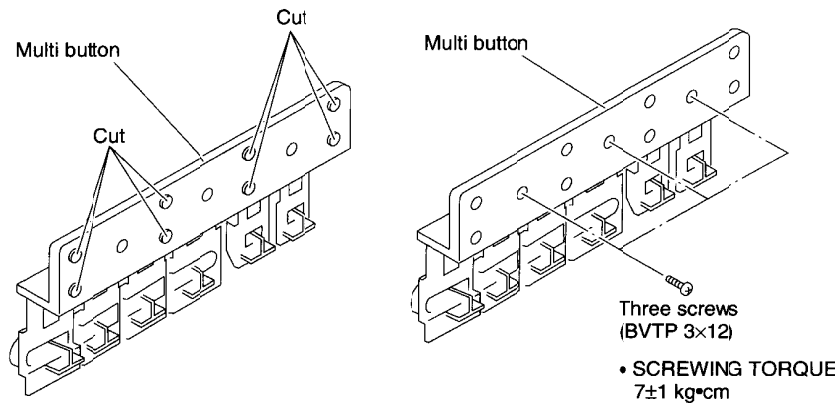
2-4. SERVICE POSITION



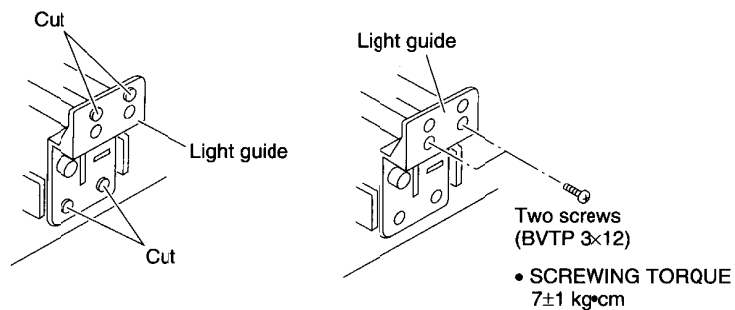
2-5. REPLACEMENT OF PARTS

For replacement of the Multi Button and Light Guide, cut the welded portions from them, exchange with the new parts, and fix them with screws (+BVTP) respectively.

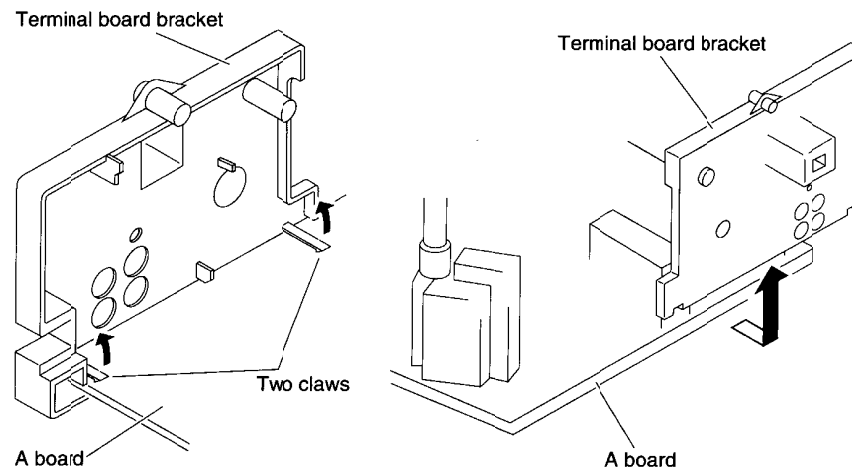
2-5-1. REPLACEMENT OF MULTI BUTTON



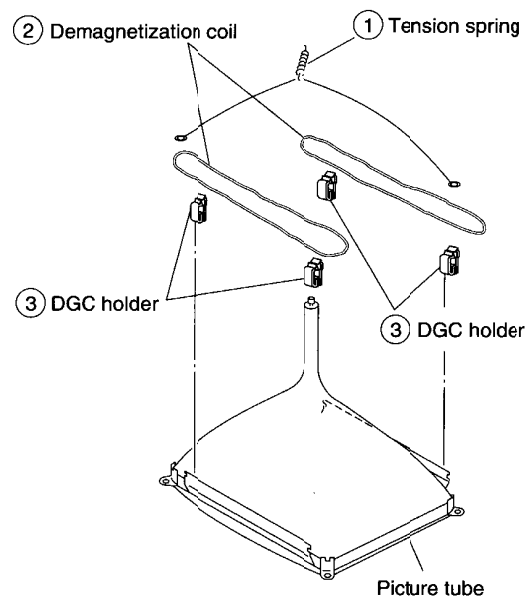
2-5-2. REPLACEMENT OF LIGHT GUIDE



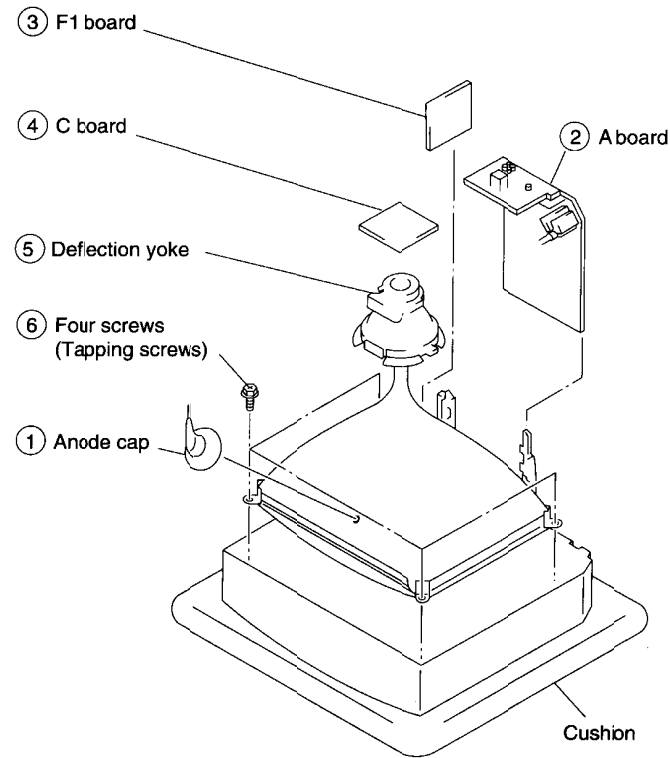
2-6. TERMINAL BOARD BRACKET REMOVAL



2-7. DEMAGNETIZATION COIL REMOVAL



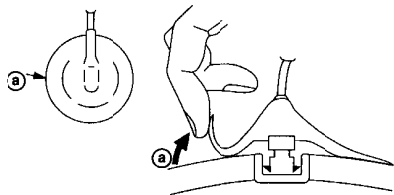
2-8. PICTURE TUBE REMOVAL



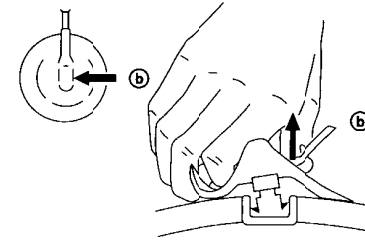
• REMOVAL OF ANODE-CAP

NOTE : After removing the anode, short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT.

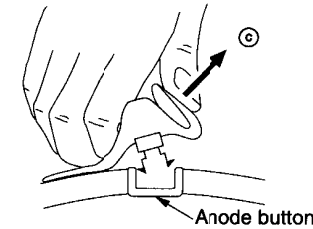
• REMOVING PROCEDURES



- ① Turn up one side of the rubber cap in the direction indicated by the arrow (a).



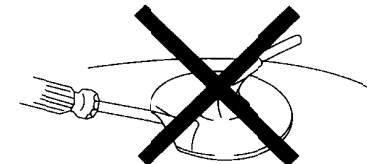
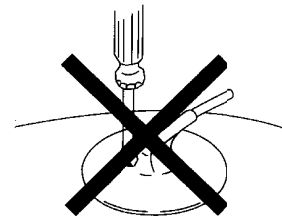
- ② Using a thumb press down, then pull up the rubber cap firmly in the direction indicated by the arrow (b).



- ③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow (c).

• HOW TO HANDLE AN ANODE-CAP

- ① Do not damage the surface of anode-cap with sharp shaped objects.
- ② Do not press the rubber too hard so as not to damage the inside of anode-cap. A metal fitting called the shatter-hook terminal is built into the rubber.
- ③ Do not turn the foot of rubber over too hard. The shatter-hook terminal will stick out or damage the rubber.



SECTION 3

SET-UP ADJUSTMENTS

KV-G14M2/G14M2S/G14P21S/G14P2S
KV-G14Q2/G14Q2S/G14S2

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- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switch should be set as follows unless otherwise noted:

PICTURE control normal

BRIGHTNESS control normal

Perform the adjustments in the following order:

1. Beam Landing
2. Convergence
3. Focus
4. White Balance

Note : Test Equipment Required:

1. Color-bar/Pattern Generator
2. Degausser
3. Oscilloscope

Preparation :

- In order to reduce the influence of geomagnetism on the set's picture tube, face it east or west.
- Switch on the power and degauss with the degausser.

3-1. BEAM LANDING

1. Input a white signal with the pattern generator.
Contrast } normal
Brightness }
2. Set the pattern generator raster signal to green.
3. Move the deflection yoke to the rear and adjust with the purity control so that the green is at the center and the blue and the red take up equally sized areas on each side.
(See Figures 3-1 through 3-3.)
4. Move the deflection yoke forward and adjust so that entire screen is green. (See Figure 3-1.)
5. Switch the raster signal to blue, then to red and verify the condition.
6. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
7. If the beam does not land correctly in all the corners, use a magnet to adjust it. (See Figure 3-4.)

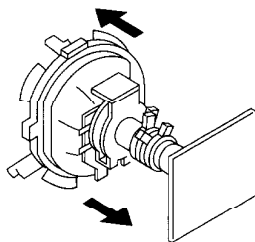


Fig. 3-1

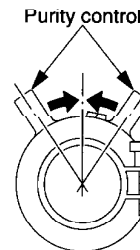


Fig. 3-2

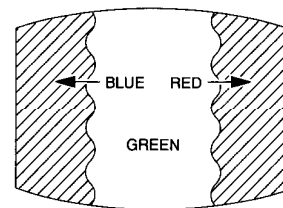


Fig. 3-3

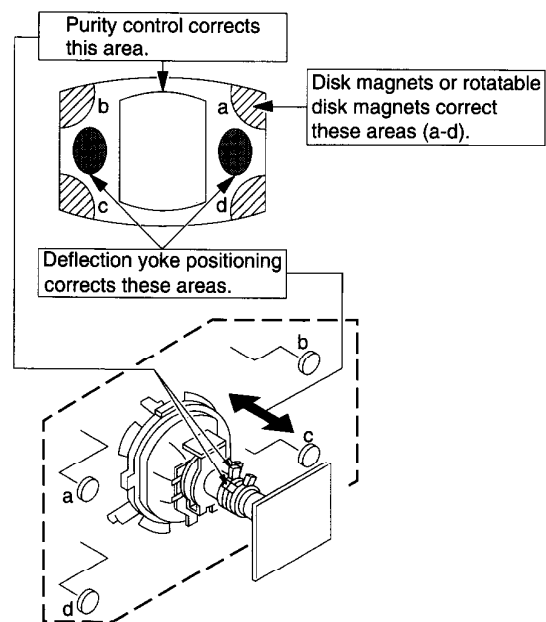


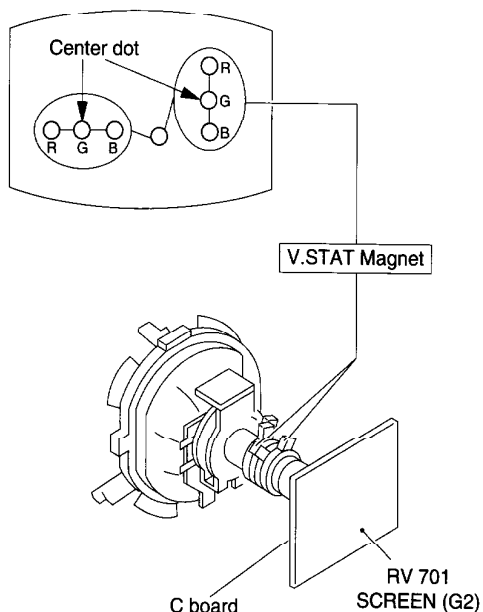
Fig. 3-4

3-2. CONVERGENCE

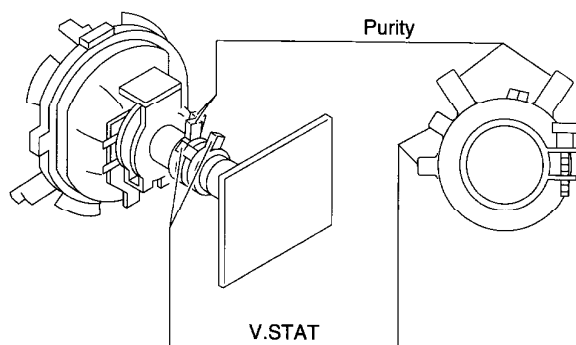
Preparation :

- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

(1) Horizontal and Vertical Static Convergence

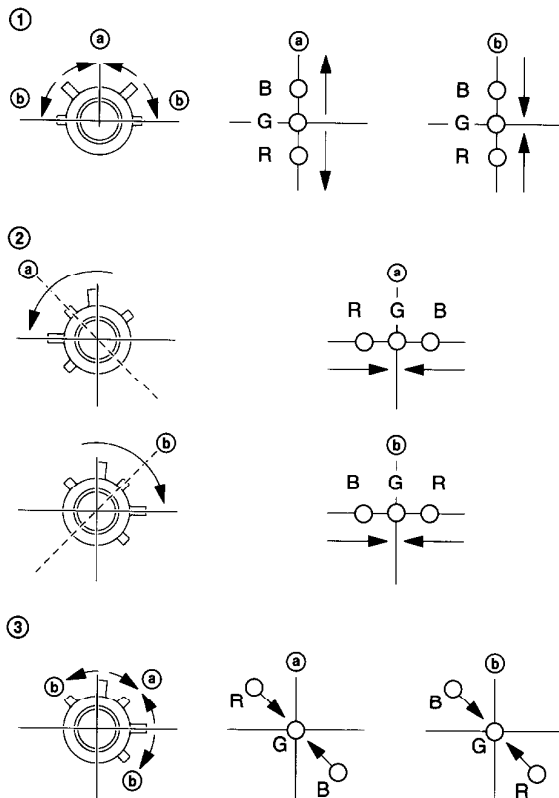


1. (Moving vertically), adjust the V.STAT magnet so that the red, green and blue dots are on top of each other at the center of the screen.
2. (Moving horizontally), adjust the H.STAT VR so that the red, green and blue dots are on top of each other at the center of the screen.



- Operation of V.STAT magnet.

If the V.STAT magnet is moved in the direction of the (a) and (b) arrows, the red, green and blue dots move as shown below.



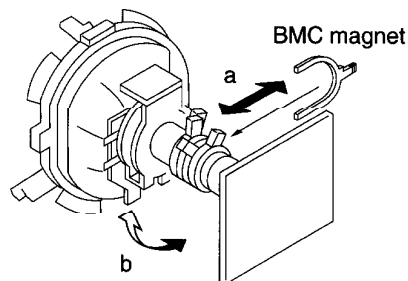
- Operation of BMC (Hexapole) magnet.

If the blue or red dot does not converge with the other two dots, perform following steps.

Move BMC magnet (a) to correct insufficient H.static convergence.

Rotate BMC magnet (b) to correct insufficient V.static convergence.

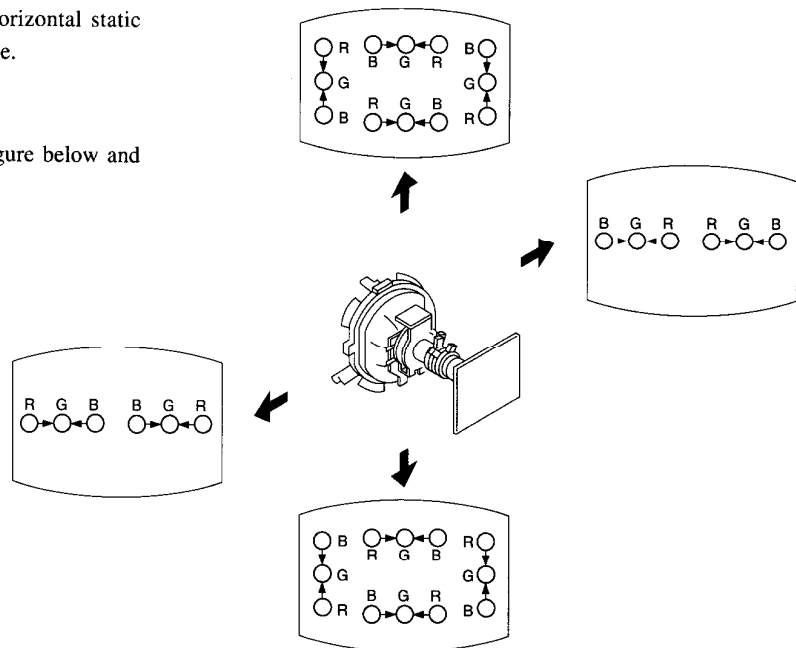
In either case, repeat Beam Landing Adjustment.



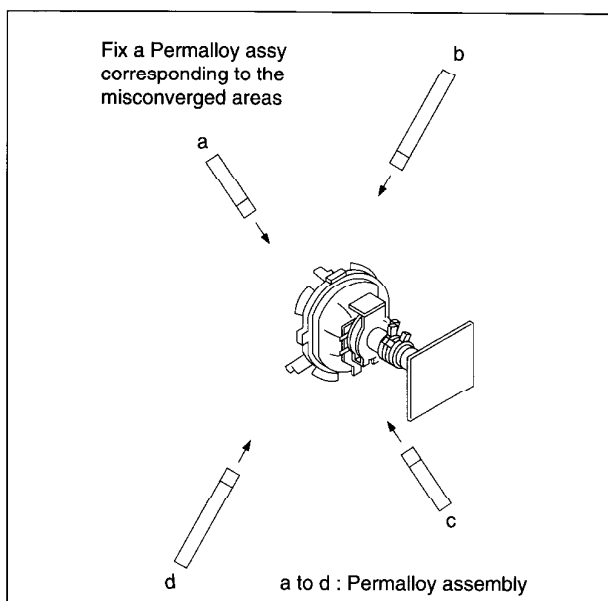
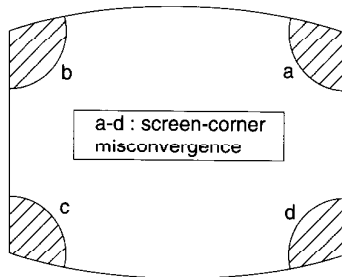
(2) Dynamic Convergence Adjustment

Preparation :

- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.
- Slightly loosen the deflection yoke screws.
 - Remove the deflection yoke spacer.
 - Move the deflection yoke as shown in the figure below and optimize the convergence.
 - Tighten the deflection yoke screws.
 - Install the deflection yoke spacer.



(3) Screen-corner Convergence



3-3. FOCUS ADJUSTMENT

Adjust FOCUS control on the C board (RV703) for the best focus.

3-4a. AN ITEM OF ADJUSTMENT

Item number	Adjustment Item	Initial DATA	Note
09	RDR	3F	WHITE POINT R
0A	GDR	3F	WHITE POINT G
0B	BDR	3F	WHITE POINT B

b. METHOD OF CANCELLATION FROM SERVICE MODE

Set the standby condition (Press **POWER** button on the commander) and then press **POWER** button again, hereupon it becomes TV mode.

c. METHOD OF WRITE FOR MEMORY

- 1) Set to Service Mode.
- 2) Press **[1]** (UP) and **[4]** (DOWN) to select an item of adjustments.
- 3) Press **MUTING** button and it will indicate WRITE on screen.
- 4) Press **[0]** button to write into memory.

d. MEMORY WRITE CONFIRMATION METHOD

- 1) After adjustment, pull out the plug from AC outlet, and then plug into AC outlet again.
- 2) Turn the power switch ON and set to Service Mode.
- 3) Call the adjusted items again, confirm they were adjusted.

09	RDR	1 F	SERVICE
052S	V3.2C	00	60
			PAL or NTSC
			German A2 Stereo
			Software Version #
			OEM CODE

09	RDR	1 F	WRITE
052S	V3.2C	00	60

MUTING
↓ Green
[0]
Executes the writing

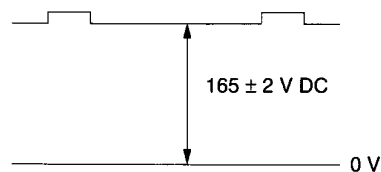
09	RDR	1 F	WRITE
----	-----	-----	-------

[0]
Executes the writing
(bottom line disappears)

3-5. G2 (SCREEN) AND WHITE BALANCE ADJUSTMENTS

1. G2 (SCREEN) ADJUSTMENT (RV701)

- 1) Set the PICTURE and BRIGHTNESS to normal.
- 2) Put to VIDEO input mode without signals.
- 3) Connect R, G and B of the C board cathode to the oscilloscope.
- 4) Adjust G2 (RV701) volume to the value below.



2. WHITE BALANCE ADJUSTMENTS

- 1) Set to Service Mode.
- 2) Input an entire white signal.
- 3) Set the PICTURE to maximum.
- 4) Select RDR(09) with **[1]** and **[4]**, and then set the level to 25 with **[3]** and **[6]**.
- 5) Select GDR(0A) and BDR(0B) with **[1]** and **[4]**, and adjust the level with **[3]** and **[6]** for the best white balance.
- 6) Write into the memory by pressing **MUTING**, then **[0]**.

SECTION 4

SELF DIAGNOSIS FUNCTION

KV-G14M2/G14M2S/G14P21S/G14P2S
KV-G14Q2/G14Q2S/G14S2

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If no acknowledgement is returned from a device which is turned "ON", the device has a problem.
 In this case, one of the LED's responding to the problem device will flicker a defined number of times.

Flickering is operated by lighting the LED's for 60ms each time.

The flickering frequency responding to each failed device is shown below.

Board name	A Board	A Board
Ref. No.	IC003	IC300
Device	NONVOLATILE MEMORY (ST24C04FB6)	Y/C JUNGLE (TDA8374A)
Flickering Frequency	1	3

All the devices are checked one after another from the left of the table.
 If an error is found, the responding LED will start flickering.
 So, if more than 1 device have failed, only the one on the left side will flicker.

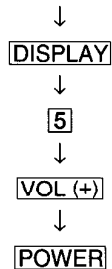
SECTION 5 CIRCUIT ADJUSTMENTS

5-1. ADJUSTMENTS WITH COMMANDER

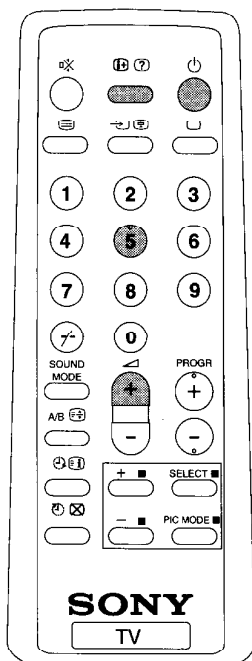
Service adjustments are made with the RM-869 that comes with this unit.

Entering service mode

With the unit on standby



The operation sequence puts the unit into service mode.

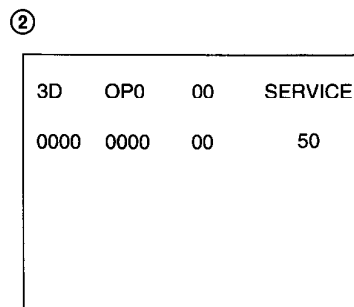
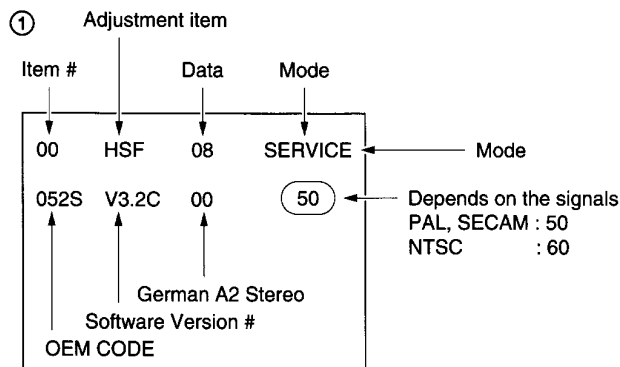


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- [1], [4] Raise/lower the service item number
- [3], [6] Raise/lower the data
- MUTING Writes
- 0 Executes the writing

- [7], [0] All data becomes the values in memory
- [8], [0] All user control goes to the standard state
- [5], [0] Service data initialization (Be sure not to use usually.)
- [2], [0] Write 50Hz adjustment data to 60Hz, or viceversa.

The screen display is :



(Bit options adjustable)

- [1], [4] Select the adjustment item.
- ↓
- [3], [6] Raise/lower the data.
- ↓
- MUTING Writes
- ↓
- 0 Executes the writing.

5-2. ADJUSTMENT METHOD

Item Number 08

This explanation uses V-SHIFT as an example.

1. Select 08 V-SHIFT with the **[1]** and **[4]** buttons.
2. Raise/lower the data with the **[3]** and **[6]** buttons.
3. Select the optimum state. (The standard is 0F for PAL reception.)
4. Write with the **MUTING** button.
5. Execute the writing with the **[0]** button. (The WRITE display returns to green SERVICE.)

Use the same method for Items Number 00-40. Use **[1]** and **[4]** to select the adjustment item, use **[3]** and **[6]** to adjust, write with **MUTING**, then execute the write with **[0]**.

08	VSF	0C	SERVICE	← GREEN
052S	V3.2C	00	50	

Adjusted with **[3]** and **[6]** buttons

08	VSF	0C	WRITE	← GREEN
052S	V3.2C	00	50	

Written with **MUTING**

Blank →	08	VSF	0C	WRITE	← GREEN
					The WRITE display will change back to SERVICE. (2nd line disappear when written)

Write executed with **[0]**

Adjustment Item Table

Item No.	Adj. Item	Data Range	Initial Data	Note for Different Data			Function	Device
00	HSF	00-3F		50: 2C	60: 33		H Shift	TDA8375
01	HSZ	00-3F		50: 35	60: 35		H Size	TDA8375
02	PAP	00-3F		50: 25	60: 25		Pin Amplitude	TDA8375
03	CNP	00-3F		50: 10	60: 0C		Corner Pin	TDA8375
04	TLT	00-3F		50: 20	60: 2D		Tilt	TDA8375
05	VSL	00-3F		50: 1F	60: 1F		V Slope	TDA8375
06	VAP	00-3F		50: 1C	60: 1B		V Amplitude	TDA8375
07	SCR	00-3F		50: 16	60: 16		S Correction	TDA8375
08	VSF	00-3F		50: 10	60: 10		V Shift	TDA8375
09	RDR	00-3F	28				R Drive	TDA8375
0A	GDR	00-3F	20				G Drive	TDA8375
0B	BDR	00-3F	20				B Drive	TDA8375
0C	FO	00-03		TV: 00	VIDEO: 00	TEXT: 00	ø1 TIME CONSTANT	TDA8375
0D	AGC	00-3F		TV: 28	VIDEO: 28	TEXT: 28	AGC Take Over	TDA8375
0E	VSW	00-01		TV: 00	VIDEO: 01	TEXT: 00	Video Mute Switch	TDA8375
0F	FOR	00-03	03				Forced Field Frequency	TDA8375
10	DL	00-01	00				De-interlace	TDA8375
11	POC	00-01	00				Fixed ø1 Synchro. Mode	TDA8375
12	COR	00-01		TV: 01	VIDEO: 00	TEXT: 00	Noise Coring	TDA8375
13	VPX	00-FF	00				Extra Bits (see below)	TDA8375
14	PMX	00-3F		TV: 2B	VIDEO: 2B	TEXT: 19	Picture Maximum Data	TDA8375
15	PMI	00-3F	04				Picture Maximum Data	TDA8375
16	SBR	00-7F	4B				Sub Brightness	TDA8375
17	SHU	00-0F	09				Sub Hue	TDA8375
18	SSH	00-03		TV: 01	VIDEO: 03		Sub Sharpness	TDA8375
19	SC1	00-3F		50: 26	60: 29		Sub Color Lower	TDA8375
1A	SC2	00-3F		50: 0C	60: 0D		Sub Color Higher	TDA8375
1B	AIP	00-7F	3F				Adjustment IF-PLL	TDA8375
1C	VZM	00-3F	19				Vertical Zoom	TDA8375
1D	WST	00-FF	15				W/G Stereo Threshold	MSP3410D
1E	WBT	00-FF	EB				W/G Bilingual Threshold	MSP3410D
1F	WLL	00-FF	05				W/G Monaural Threshold	MSP3410D
20	ACG	00-01	01				ACG Switch auto/constant	MSP3410D
21	CDB	00-3F	28				ACG Gain at Constant Mode	MSP3410D
22	FGP	00-7F	24				FM Prescale for B/G, I. DK	MSP3410D
23	FMP	00-7F	40				FM Prescale for M	MSP3410D
24	FMH	00-7F	20				FM Prescale for HDEV Mode	MSP3410D
25	WGP	00-7F	3C				W/G Prescale	MSP3410D
26	NIP	00-7F	7F				NICAM Prescale	MSP3410D
27	SCP	00-7F	20				SCART Input Prescale	MSP3410D
28	SCV	00-7F	20				SCART Output Prescale	MSP3410D
29	CRM	00-01	00				Carrier Muting on/off	MSP3410D
2A	ACD	00-01	01				Audio Clock-out on/off	MSP3410D
2B	AWC	00-0F	01				W/G Agreement Count	MSP3410D
2C	NFT	00-FF	50				Auto FM Switch Threshold	MSP3410D
2D	DLG	00-FF	30				W/G Search Delay	MSP3410D
2E	DLN	00-FF	10				NICAM Search Delay	MSP3410D
2F	DLS	00-FF	0A				Stereo Status Read Delay	MSP3410D
30	SMX	00-7F	72				DFP Volume Maximum	MSP3410D
31	ING	00-0F		M: 00	non-M: 00	VIDEO: 00	Input Gain	TDA7438
32	VOM	00-3F	01				Volume Output Gain	TDA7438
33	TXH	00-03	01				Teletext Horizontal Position	SAA5261
34	BKP	00-3F	00				Picture Data at Blanking OFF	Other Control
35	ODL	00-FF	10				Power on Delay	Other Control
36	OFR	00-0F	00				RGB Output Time (STBY OFF)	Other Control

Item No.	Adj. Item	Data Range	Initial Data	Note for Different Data	Function	Device
37	OFM	00-0F	00		RGB Output Time (AC OFF)	Other Control
38	OSH	00-3F	0A		OSD H POSITION	Other Control
39	DSK	00-01	00		D/K Stereo enable/disable	TDA8375
3A	MUT	00-01	00		Muting on/off at No. Sync	Other Control
3B	ABL	00-01	00		Bright ABL Switch	Other Control
3C	SCM	00-01	00		SECAM Trap active/inactive	Other Control
3D	FBT	00-01	01		FBT L/S C/M stract/plain	Other Control
3E	OP0	00-FF	4F		Optional Flags 0 (see below)	Other Control
3F	OP1	00-FF	0F		Optional Flags 1 (see below)	Other Control
40	OP2	00-FF	00		Optional Flags 2 (see below)	Other Control

NOTE

- Note for Different Data Those are the standard data values written on the microprocessor. Therefore, the data values of the modes are stored respectively in the memory.
In case of a device replacement, adjustment by rewriting the data value is necessary for some items.
- 50..... 50 Hz data
- 60..... 60 Hz data
- Note for Different Data listed on the adjustment item table are reference values, therefore it is different for every model.

Option Note

Item No. 13 VPX

Item	HCO	EVG	SBL	PRD	–	–	–	VID
Initial data	0	0	0	0	0	0	0	0

HCO EHT Tracking Mode 1 = on V and E–W. 0 = only on V
 EVG Enable Vertical Guard 1 = enable. 0 = disable
 SBL Service Blanking 1 = active. 0 = inactive
 PRD Over-voltage Protection Detection 1 = enable. 0 = disable
 VID Video Ident Mode 1 = not for ø1-loop 0 = for ø1-loop

Item No. 3E OP0

Item	No TOP	AV input	AVMUT	B/G	I	D/K	M
Initial data	0	1 0	0	1	1	1	1

AV Input 0 0 no AV input model 0 1 1 AV input model
 1 0 2 AV input model 1 1 2 AV input and RGB input model
 No TOP (for teletext model) 1 = only FLOF available. 0 = both FLOF and TOP available
 AV MUT 1 = AV multi is always muted if no signal input. 0 = not muted always
 Other optional bits are effective if set to 1.

Item No. 3F OP1

Item	No NICAM	–	HDEV	1 V-Curve	XTAL SEL	SECAM	2nd Lang.
Initial data	0	0	0	0	1 1	1	1

XTAL SEL 0 0 only 4.43 XTAL 0 1 only 3.58 XTAL
 1 0 (not used) 1 1 both 4.43 and 3.58 XTAL
 1 V-Curve (for monaural model)
 1 = using common volume curve for every mode and every TV system
 0 = another volume curve available for video mode and M system
 HDEV 1 = High Deviation Mode switch available. 0 = not available
 Other optional bits are effective if set to 1.

Item No. 40 OP2

Item	–	–	No. Bal	TV Out	Hotel	VM	D.B.F.B.	Thai Bil.
Initial data	0	0	0	0	0	0	0	0

No Bal. (for AV stereo model) 1 = no balance in analog select items. 0 = balance included
 Other optional bits are effective if set to 1.
 Hotel TV mode should be switched with remote commander from STBY condition as below.
 Hotel TV on : push “display”. “8”. “vol +” and “power” sequentially
 Hotel TV off : push “display”. “8”. “vol –” and “power” sequentially

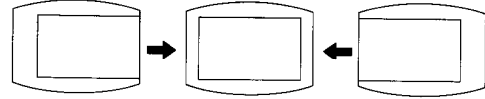
5-3. A BOARD ADJUSTMENT AFTER IC003 (MEMORY) REPLACEMENT

1. Enter to Service Mode.
2. Press commander buttons **[5]** and **[0]** (Data Initialize), and **[2]** and **[0]** (Data Copy) to initialize the data.
3. Call each item number, and check if the respective screen shows the normal picture.
In case some items are not well-adjusted, give them fine adjustment.
Write the data per each item number (**[MUTING]** + **[0]**).
4. Select item numbers "3E" (OP0), "3F" (OP1) and "40" (OP2) and respectively set the bit per model with command buttons **[3]** and **[6]**.
5. Press commander buttons **[8]** and **[0]** (Test Normal) to return to the data that was set on the shipment from the factory.
(= Cancel Service Mode.)

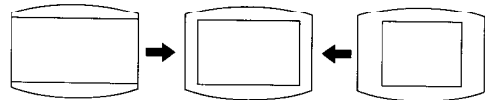
5-4. PICTURE DISTORTION ADJUSTMENT

Item Number 00 – 08

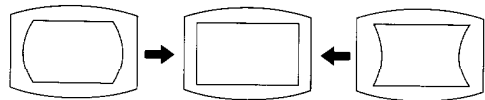
00 HSF (H SHIFT)



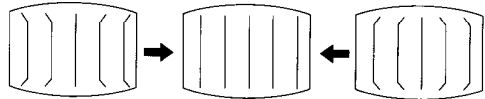
01 HSZ (H SIZE)



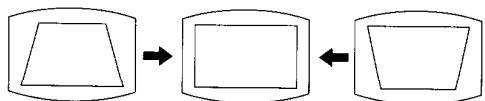
02 PAP (PIN AMPLITUDE)



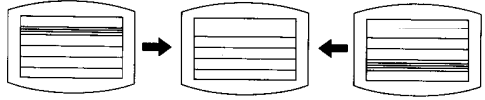
03 CNP (CORNER PIN)



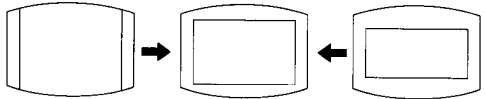
04 TLT (TILT)



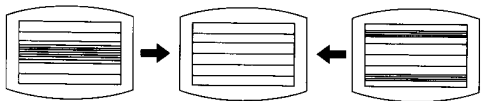
05 VSL (V SLOPE)



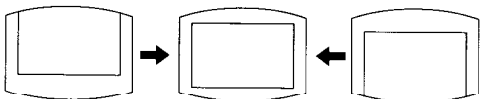
06 VAP (V AMPLITUDE)



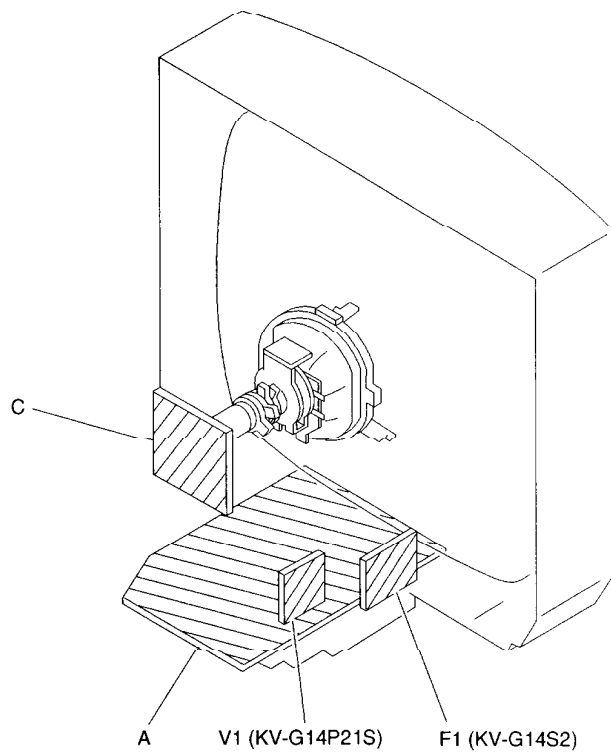
07 SCR (S CORRECTION)



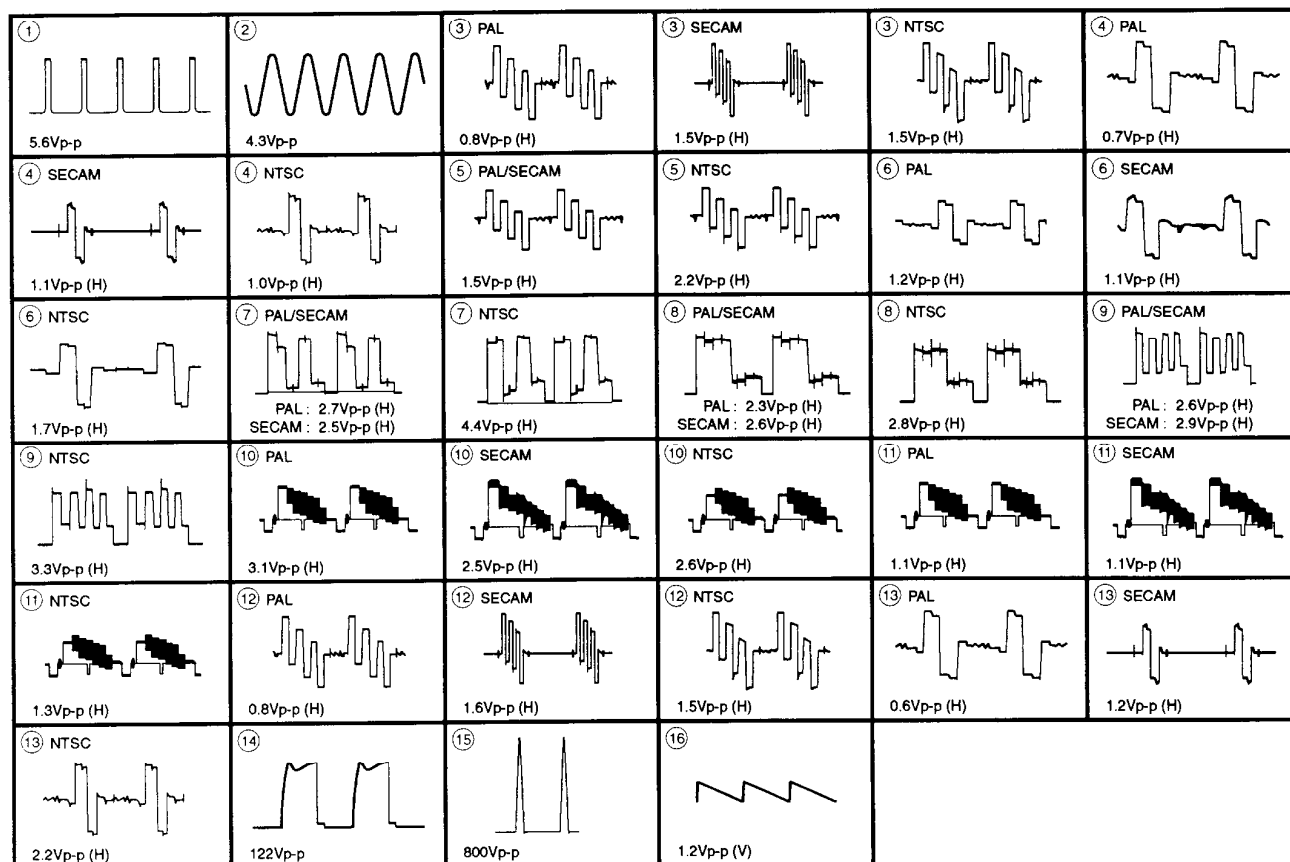
08 VSF (V SHIFT)



6-2. CIRCUIT BOARDS LOCATION

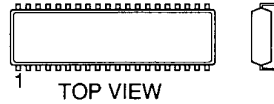


A BOARD WAVEFORMS



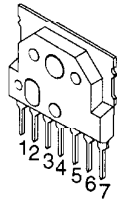
6-4. SEMICONDUCTORS

CAT24C04P (8PIN)
CXP85220A-057S (64PIN)
CXP85220A-059S (64PIN)
ST24C04CB1 (8 PIN)
TDA4665T-T (16PIN)
TDA8374A (56PIN)
TDA8395T (20PIN)



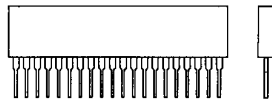
Dual In-line Package
Pin 6~98

LA7830



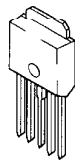
LA7910 (9PIN)

MARKING SIDE VIEW

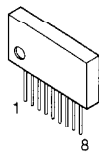


Single In-line Package
Pin 6~99

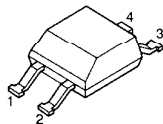
L78LR05D-MA



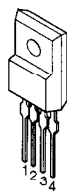
NJM2234L (8PIN)



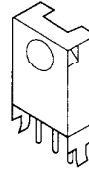
PC123F2



PQ09RE11

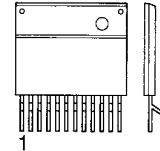


SBX1981-11



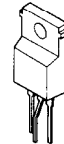
STR-S6707 (9PIN)

MARKING SIDE VIEW

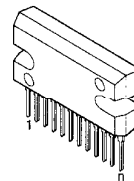


Zig-zag In-line Package
Pin 6~99

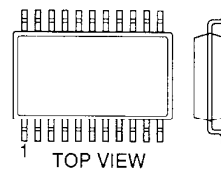
SE115N



TA8248K

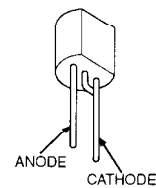


μ PC4558G2 (8PIN)

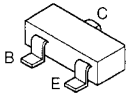


Single In-line Package
Pin 6~98

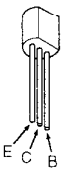
μ PC574J



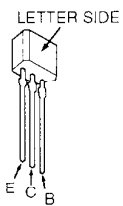
DTA114EKA-T146
DTC114EK
DTC143TKA-T146
UN2211
UN2213
UN2216
2SA1162-G
2SC1623-L5L6
2SD601A-Q



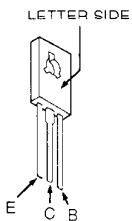
2SA1091-O



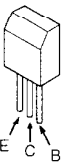
2SC2410SN



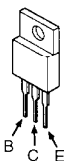
2SC2611



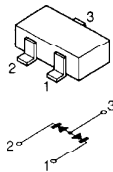
2SC3209LK



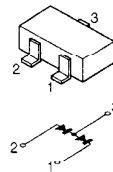
2SD1877S-SONY-CA
2SD2394-EF



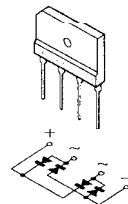
DAP202K



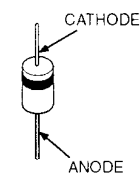
DA204K



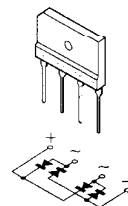
DTZ9.1
MA113-(TX)



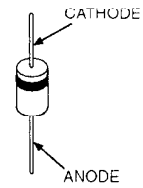
D1NL20
EL1Z
GP08D
RGP02-17EL-6433



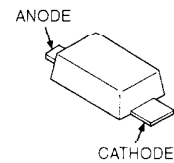
D4SB60L
GBU4JL-6088



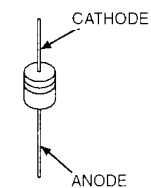
ERC06-15S
S3L20UF4
1SS133T-77



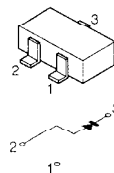
MA77



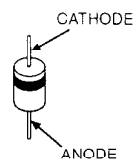
RD2.2ES-B2
RD3.6ES-B1
RD4.7ESB2
RD5.1ES-B1
RD5.6ESB2
RD8.2ES-B2
RD9.1ES-L
1SS119-25



RD3.3M-B2
RD5.6M-B2



RU4DS



SECTION 7 EXPLODED VIEW

KV-G14M2/G14M2S/G14P21S/G14P2S
KV-G14Q2/G14Q2S/G14S2

RM-869

NOTE:

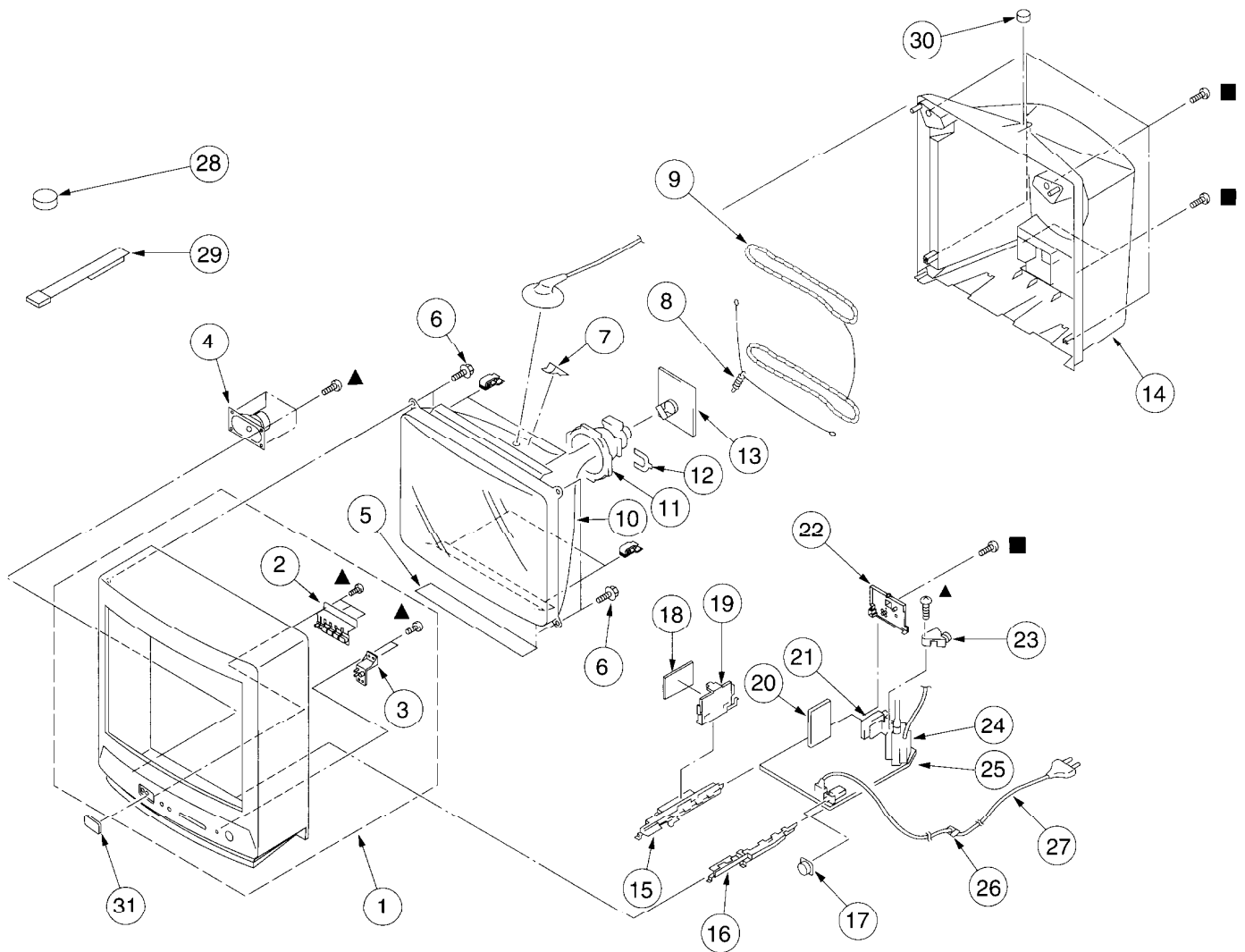
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark \triangle are critical for safety.
Replace only with part number specified.

7-1. CHASSIS

■ : BVTP4 × 16 7-685-663-71

▲ : BVTP3 × 12 7-685-648-79

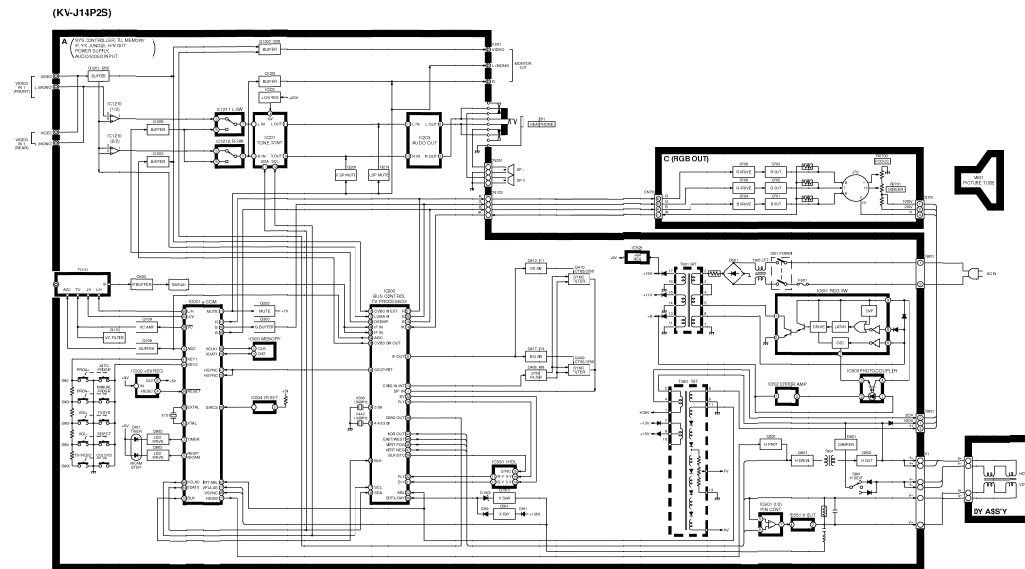


SECTION 6 DIAGRAMS

KV-J14P2S/J51PF2S
RM-889

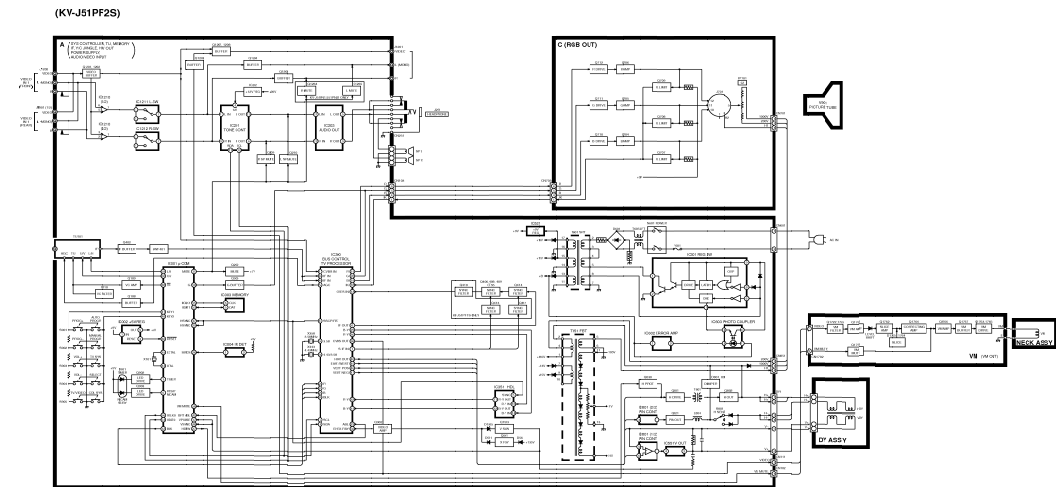
KV-J14P2S/J51PF2S
RM-889

6-1. BLOCK DIAGRAM

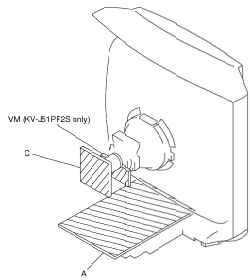


KV-J14P2S/J51PF2S
RM-889

KV-J14P2S/J51PF2S
RM-889



6-2. CIRCUIT BOARDS LOCATION



6-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

- Note:**
- All capacitors are in μF unless otherwise noted.
 - All electrolytic capacitors are rated at 50V unless otherwise noted.
 - All resistors are in ohms.
 - Indication of resistance which does not have rating electrical power is as follows:
- Pitch: 3 mm
- Rating electrical power 1/4W (CHIP: 1/10W)
- Nonflammable resistor.
 - Internal component.
 - Panel designation or adjustment for repair.
 - All variable and adjustable resistors have characteristic curve B unless otherwise noted.
 - Readings are taken with a color-bar signal input.
 - no mark : PAL
 - () : SECAM
 - [] : NTSC 3.58
 - ⌘ : NTSC 4.43
 - Readings are taken with a 100 MW digital multimeter.
 - Voltage is dc with respect to ground unless otherwise noted.
 - Voltage variations may be noted due to normal production tolerances.
 - All voltages are in V.
 - Cannot be measured.
 - Circled numbers are waveform reference.
 - B = bus.
 - B = bus.
 - signal path.

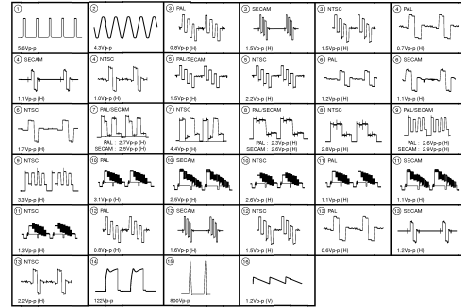
Reference	Information
RESISTOR	:RN METAL FILM
	:RC SOLID
	:FPD NONFLAMMABLE CARBON
	:FUSE NONFLAMMABLE FUSIBLE
	:RS NONFLAMMABLE METAL OXIDE
	:RB NONFLAMMABLE CEMENT
	:RW NONFLAMMABLE WIREWOUND
	:% ADJUSTMENT RESISTOR
COIL	:LF-6L MICRO INDUCTOR
CAPACITOR	:TA TANTALUM
	:PS STYROL
	:PP POLYPROPYLENE
	:MPS METALIZED POLYESTER
	:MPP METALIZED POLYPROPYLENE
	:ALB BIPOLAR
	:ALT HIGH TEMPERATURE
	:ALR HIGH RIPPLE

Note: The component identified by shading and mark is are critical for safety. Replace only with part number specified.

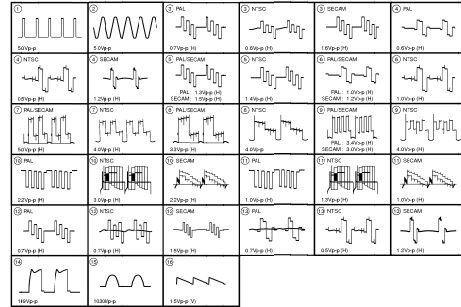
KV-J14P2S/J51PF2S
RM-809

KV-J14P2S/J51PF2S
RM-809

A BOARD WAVEFORMS (KV-J14P2S)



A BOARD WAVEFORMS (KV-J51PF2S)



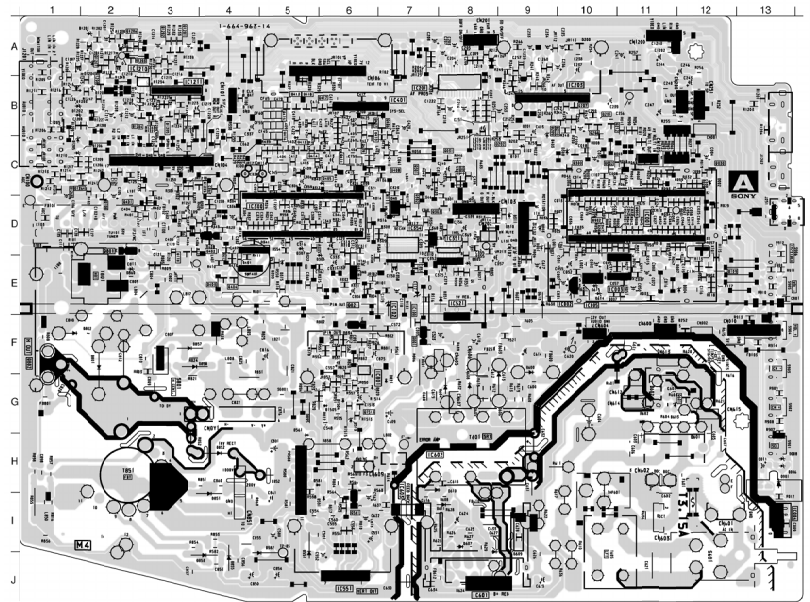
KV-J14P2S/J51PF2S
RM-809

KV-J14P2S/J51PF2S
RM-809

PRINTED WIRING BOARD

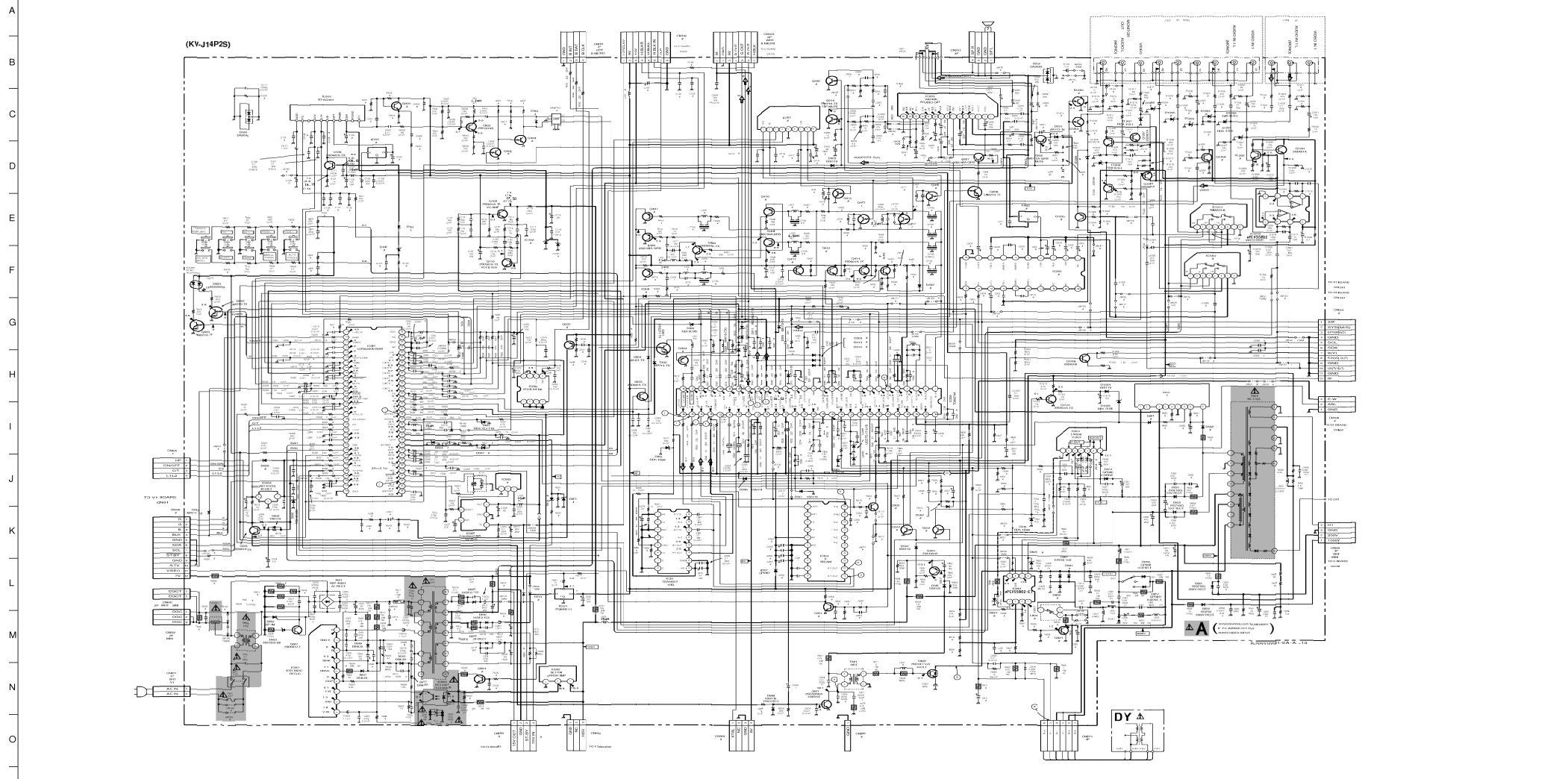
A [SYSTEM CONTROLLER, Y/C JUNGLE, DEFLECTION
TUNIF, FRONT AMR, POWER SUPPLY]

- A Board -

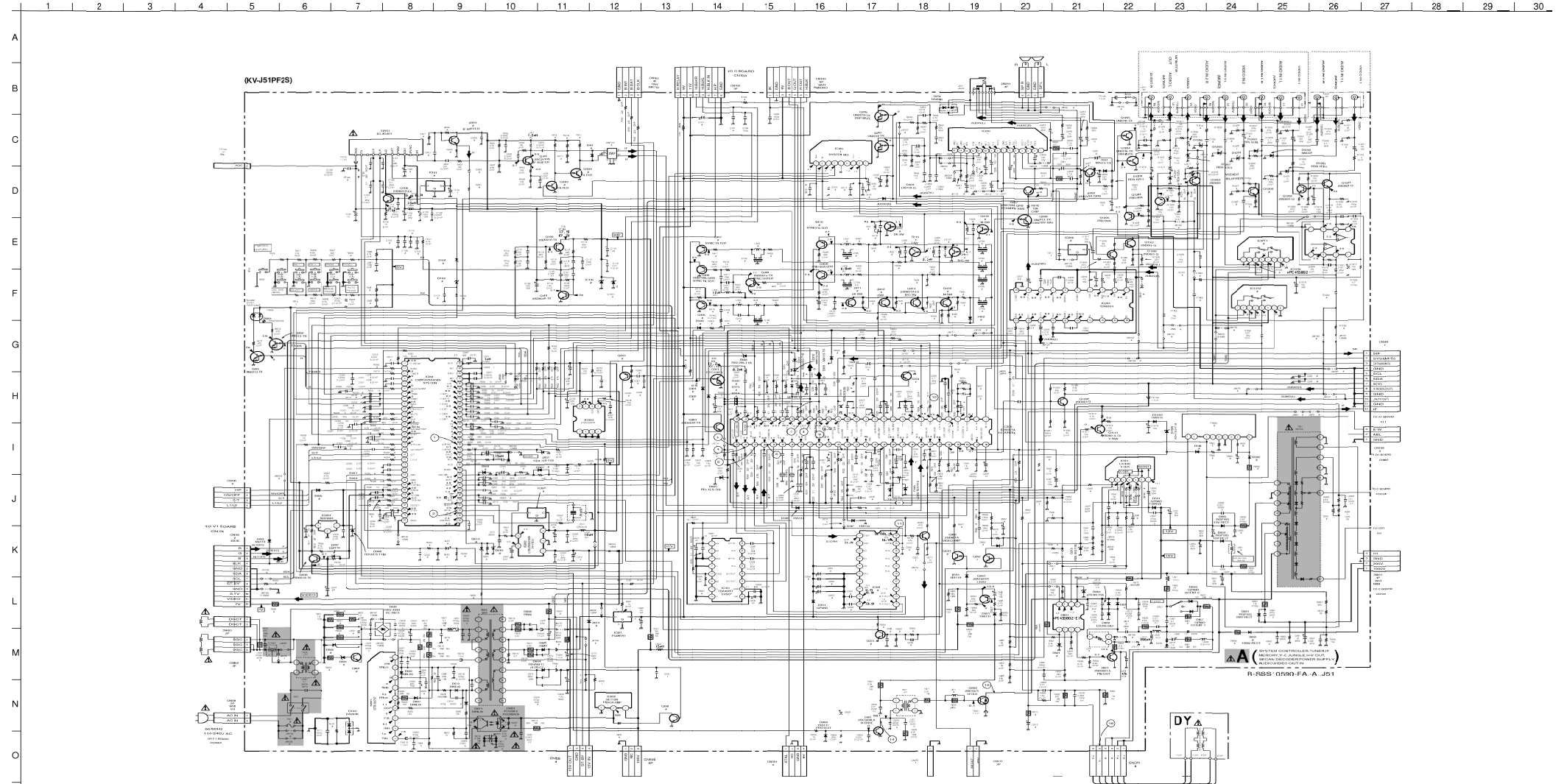


NOTE:
The circuit indicated at left contains high voltage of over 600Vp-p. Please pay attention when inspecting or repairing it to prevent an electric shock.

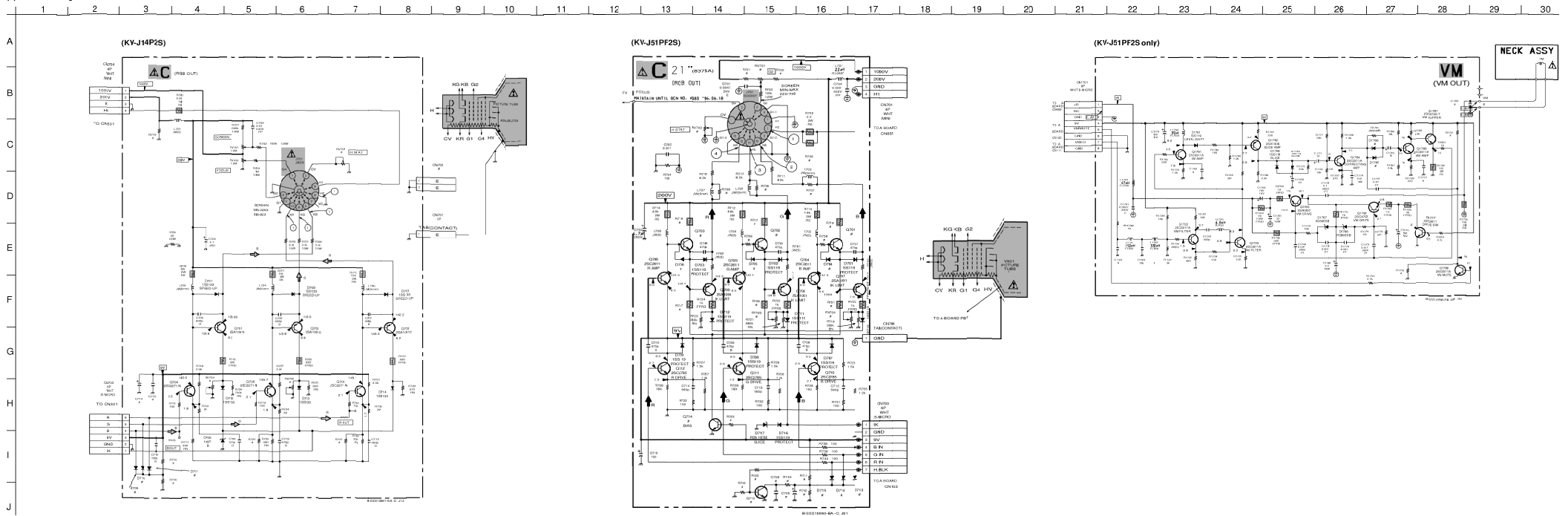
(1) Schematic Diagram of A Board



(2) Schematic Diagram of A Board



(3) Schematic Diagrams of C and VM Boards



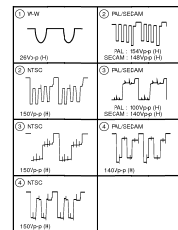
KV-J14P2S/J51PF2S
RM-869

KV-J14P2S/J51PF2S
RM-869

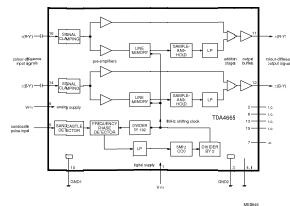
KV-J14P2S/J51PF2S
RM-869

KV-J14P2S/J51PF2S
RM-869

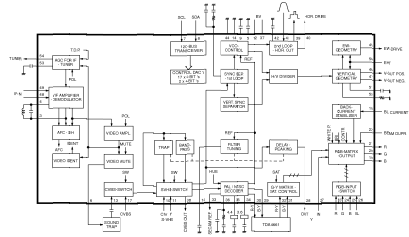
C BOARD WAVEFORMS



A Board IC351 TDA4665T-T/ V5-118



A Board IC308 TDA8374A (KV-J14P2S) A Board IC308 TDA8375A (KV-J51PF2S)

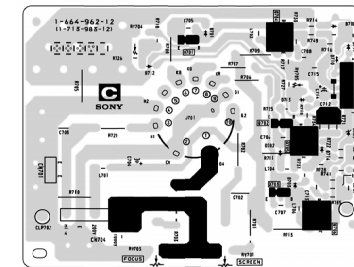


PRINTED WIRING BOARDS

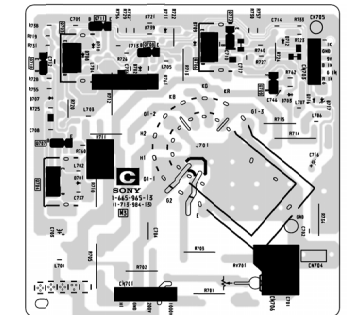
C [RGB OUT, DEFLECTION]

VM [VM OUT]

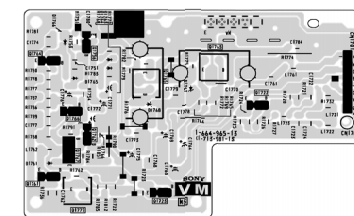
- C Board - (KV-J14P2S)



- C Board - (KV-J51PF2S)



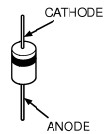
- VM Board - (KV-J51PF2S)



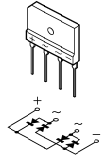
6-4. SEMICONDUCTORS

DIODE

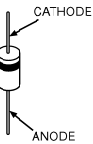
D1N120-TA
EL1Z
EGP20G
GP08D
NNCD8.2A-T1
NNCD9.1A-T1
RGP02-17EL-6433



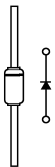
D4SB60L



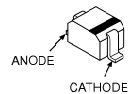
ERC06-15S
RN4Z
RU4AM-T4
S3L20UF4



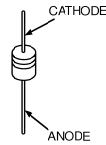
RD9.1ES-L2



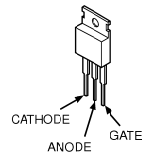
DTZ9-1
MA113-(TX)
1SS355TE-17



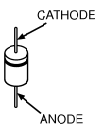
RD2.2ES-B2
RD3.6ES-B1
RD4.7ES-B2
RD5.1ES-B1
RD5.6ES-B2
RD13ES-B2
RD39ES-B2
1SS119-25



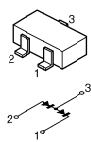
5P6M



RU4DS

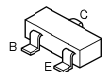


DA204K

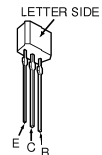


TRANSISTOR

UN2211
UN2213
UN2216
2SA1162-G
2SD601A-Q



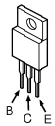
2SA1175-HFE
2SC2785-HFE
2SC2410SN
2SC3311A-QRSTA



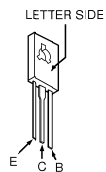
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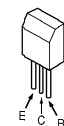
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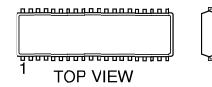


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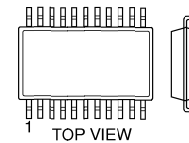
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CXP85220A-056S (64PIN)
ST24C04FB6 (8 PIN)
TDA8374A (56 PIN)
TDA4665T/V5-118



Dual In-line Package
Pin 6~98

TDA7315D013TR (20PIN)
μPC4558G2 (8PIN)

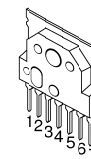


Single In -line Package
Pin 6~98

L78LR05D-MA



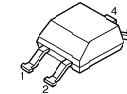
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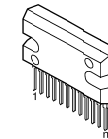
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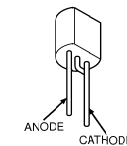
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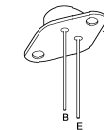
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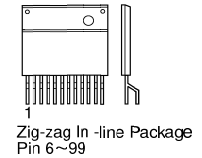


SBX3081-01(30)



NJM2234L
STR-S6707N

MARKING SIDE VIEW



SECTION 7

EXPLODED VIEW

NOTE:

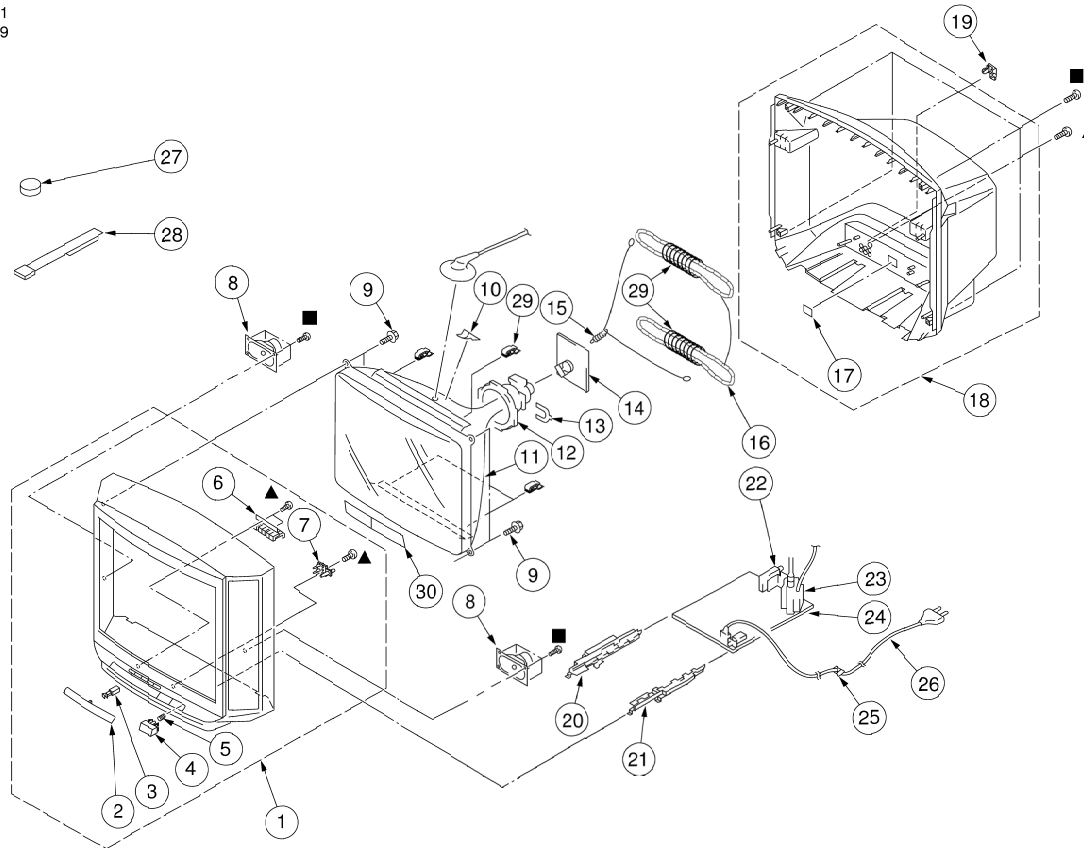
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

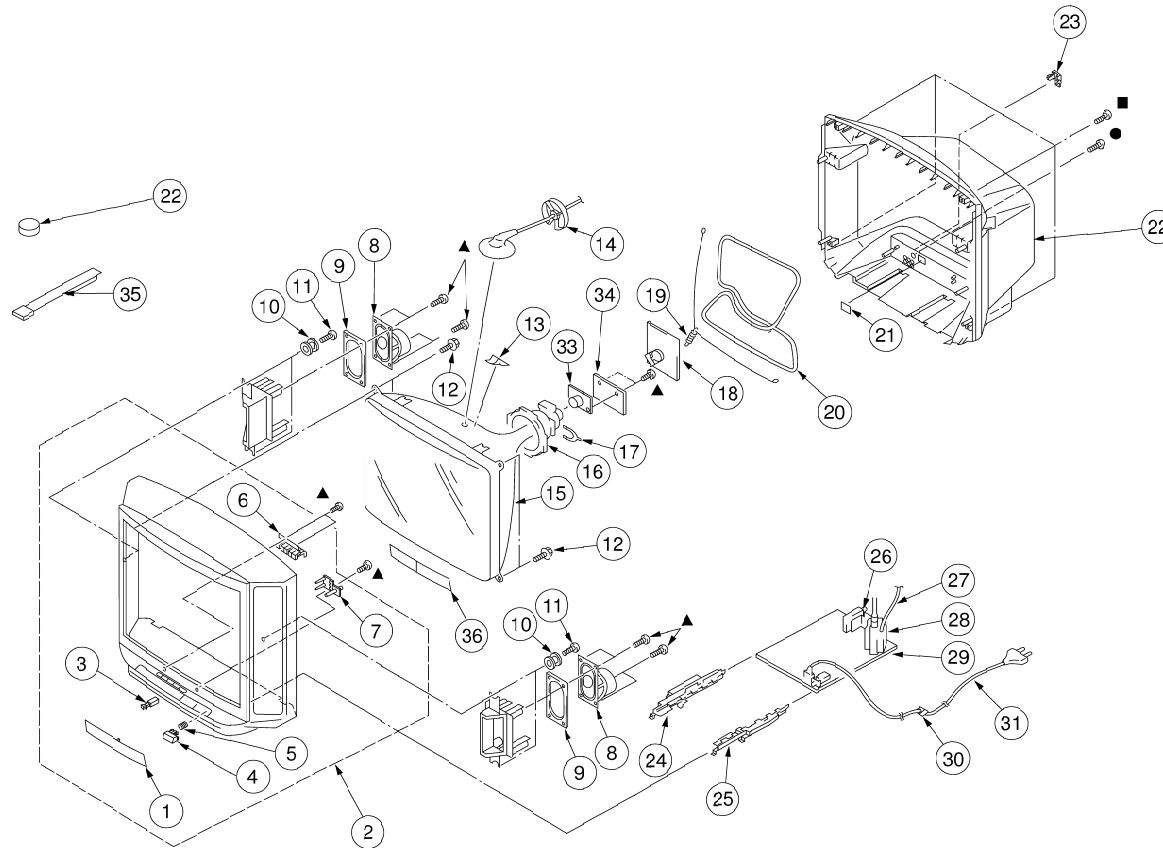
7-1. CHASSIS

■ : EVTP4 × 16 7-685-663-71

▲ : EVTP3 × 12 7-685-648-79

**(KV-J14PF2S)**

REF.NO.	PART NO.	DESCRIPTION	REMARK
1	X-4037-822-1	BEZNET ASSY	2-7
2	4-061-401-31	DOOR, CONTROL	
3	4-047-464-01	CATCHER, PUSH	
4	4-061-398-01	BUTTON, POWER	
5	4-036-405-11	SPRING, COMPRESSION	
6	4-061-400-01	BUTTON, MULTI	
7	* 4-061-399-01	GUIDE, LIGHT	
8	1-504-305-11	SPEAKER (5X12CM)	
9	4-365-808-12	SCREW (5), TAPPING	
10	4-046-600-11	SPACER, DY	
11	Δ 8-735-562-05	PICTURE TUBE (A34JBU70X)	
12	8-451-418-21	DEFLECTION YOKE (Y14NDA2-(SBN4))	
13	1-452-277-00	MAGNET, BMC	
14	* A-1332-069-A	C BOARD, COMPLETE	
15	4-376-036-11	SPRING, TENSION	
16	Δ 1-426-145-00	COIL, DEGAUSSING	
17	4-049-416-01	SHEET, BLIND	
18	Δ X-4035-263-1	COVER ASSY, REAR	
19	4-049-130-01	CLAMPER, CORD	
20	* 4-055-841-01	RAIL (L), GUIDE	
21	* 4-061-294-01	RAIL (R), GUIDE	
22	8-598-323-50	TUNER, VSS BT-AG401	
23	Δ 1-453-249-11	TRANSFORMER ASSY, FLYBACK (NX-1733/M3A)	
24	* A-1299-233-A	A BOARD, COMPLETE	
25	Δ 4-389-778-11	HOLDER, AC CORD	
26	Δ 1-574-062-11	CORD, POWER (WITH CONNECTOR) 6A/250V	
27	1-452-032-00	MAGNET DISC	
28	4-051-736-41	PIECE A(90), CONV. CORRECT	
29	4-037-613-01	CUSHION, SP	
30	4-072-569-01	SHEET BLOTING	
??	4-059-711-01	HOLDER, FBT	



(KV-J51PF2S)

REF.NO.	PART NO.	DESCRIPTION	REMARK
1	4-062-884-61	DOOR, CONTROL	
2	X-4037-823-1	BEZNET ASSY	1, 3-7
3	4-047-464-01	CATCHER, PUSH	
4	4-055-546-21	BUTTON, POWER (KV-J51PN1/J51PN21)	
5	4-036-405-11	SPRING, COMPRESSION	
6	4-060-144-01	BUTTON, MULTI (KV-J51PN1/J51PN21)	
7	4-060-143-01	GUIDE, LIGHT	
8	1-503-902-11	SPEAKER (15 X 6.5 CM)	
9	4-052-433-01	CUSHION, SPEAKER	
10	4-374-745-21	CUSHION (A)	
11	4-302-404-03	SCREW (WASHER HEAD) (+P 4X16)	
12	4-057-862-01	SCREW, TAPPING 5+CROWN WASHER	
13	4-046-600-11	SPACER, DY	
14	* 3-704-372-11	HOLDER, HV CABLE	
15	△ 8-738-778-05	PICTURE TUBE (A51JUH71X)	
16	8-451-280-81	DEFLECTION YOKE (Y21PXA2-S3)	
17	1-452-277-00	MAGNET, BMC	
18	* A-1332-068-A	C BOARD, COMPLETE	
19	4-369-318-61	SPRING, TENSION	
20	△ 1-409-942-11	COIL, DEMAGNETIZATION	
21	4-049-416-01	SHEET, BLIND	
22	△ X-4043-787-1	COVER ASSY, REAR	
23	4-049-130-01	CLAMPER, CORD	
24	* 4-055-548-01	GUIDE (L), PWB	
25	* 4-055-549-01	GUIDE (R), PWB	
26	8-598-323-50	TUNER, VSS BT-AG401	
27	△ 1-900-212-58	LEAD ASSY, FOCUS	
28	△ 1-453-250-11	TRANSFORMER ASSY, FLYBACK (NX-1746/M3A)	
29	* A-1299-232-A	A BOARD, COMPLETE	
30	△ 4-389-778-11	HOLDER, AC CORD	
31	△ 1-574-062-11	CORD, POWER (WITH CONNECTOR)	
32	1-452-032-00	MAGNET, DISC	
33	1-452-509-51	NECK ASSY, CRT (NA308)	
34	* A-1342-554-A	VM BOARD, COMPLETE	
35	4-051-736-41	PIECE A (90), CONV, CORRECT	
36	4-072-569-21	SHEET, BLOTING	

SECTION 8 ELECTRICAL PARTS LIST

KV-J14P2S/J51PF2S
RM-869

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NOTE:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

CAPACITORS

- MF : μF, PF : μμF

COILS

- MMH : μH, UH : μH

REF.NO.	PART NO.	DESCRIPTION	REMARK
	* A-1299-233-A	A BOARD COMPLETE (KV-J14P2S)	
	* A-1299-232-A	A BOARD COMPLETE (KV-J51PF2S)	

	1-533-223-11	CLIP, FUSE	
	4-382-854-11	SCREW (M3X10), P, SW (+)	
		<CAPACITOR>	
C001	1-163-011-11	CERAMIC CHIP 0.001UF	10.00% 50V
C002	1-126-965-11	ELECT 22UF	20.00% 50V
C004	1-126-961-11	ELECT 2.2UF	20.00% 50V
C006	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C007	1-126-959-11	ELECT 0.47UF	20.00% 50V
C008	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V
C009	1-163-133-00	CERAMIC CHIP 470PF	5.00% 50V
C010	1-163-037-11	CERAMIC CHIP 0.022UF	10.00% 50V
C011	1-104-664-11	ELECT 47UF	20.00% 16V
C013	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C014	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C015	1-101-884-00	CERAMIC 56PF	5.00% 50V
C016	1-101-884-00	CERAMIC 56PF	5.00% 50V
C017	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V
C018	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V
C019	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C020	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C021	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C022	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C023	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C024	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C025	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C026	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C027	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C028	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C029	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C034	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C035	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C036	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C037	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V
C038	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V
C040	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V
C042	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V
C044	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V
C045	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V
C046	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V
C047	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V
C048	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C049	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C050	1-126-960-11	ELECT 1UF	20.00% 50V
C051	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V
C052	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C053	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C054	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C055	1-126-925-11	ELECT 470UF	20.00% 10V
C056	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C057	1-163-243-11	CERAMIC CHIP 47PF	5.00% 50V
C058	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V
C059	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V
C060	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C061	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C064	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C072	1-126-925-11	ELECT 470UF	20.00% 10V
C074	1-163-001-11	CERAMIC CHIP 220PF	10.00% 50V
C101	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C103	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C105	1-104-665-11	ELECT 100UF	20.00% 16V
C106	1-126-964-11	ELECT 10UF	20.00% 50V
C108	1-126-767-11	ELECT 1000UF	20.00% 16V
C109	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C111	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
C114	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V
C115	1-163-093-00	CERAMIC CHIP 10PF	5.00% 50V
C116	1-136-165-00	MYLAR 0.1UF	5.00% 50V
C117	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V
C118	1-126-965-11	ELECT 22UF	20.00% 50V
C119	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C120	1-130-493-00	MYLAR 0.068UF	5.00% 50V
C121	1-130-493-00	MYLAR 0.068UF	5.00% 50V
C122	1-104-665-11	ELECT 100UF	20.00% 16V
C124	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C125	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C127	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C128	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C132	1-163-117-00	CERAMIC CHIP 100PF	5.00% 50V
C201	1-164-489-11	CERAMIC CHIP 0.22UF	10.00% 16V
C202	1-164-489-11	CERAMIC CHIP 0.22UF	10.00% 16V
C203	1-126-964-11	ELECT 10UF	20.00% 50V
C204	1-104-665-11	ELECT 100UF	20.00% 16V
C205	1-164-161-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C206	1-164-161-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C207	1-126-961-11	ELECT 2.2UF	20.00% 50V
C208	1-126-961-11	ELECT 2.2UF	20.00% 50V
C209	1-163-024-00	CERAMIC CHIP 0.018UF	10.00% 50V
C210	1-163-037-11	CERAMIC CHIP 0.022UF	10.00% 50V

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The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK
C213	1-163-024-00	CERAMIC CHIP 0.018UF	10.00% 50V
C214	1-126-961-11	ELECT 2.2UF	20.00% 50V
C215	1-163-037-11	CERAMIC CHIP 0.022UF	10.00% 50V
C216	1-164-489-11	CERAMIC CHIP 0.22UF	10.00% 16V
C217	1-164-489-11	CERAMIC CHIP 0.22UF	10.00% 16V
C218	1-126-961-11	ELECT 2.2UF	20.00% 50V
C220	1-126-965-11	ELECT 22UF	20.00% 50V
C233	1-126-963-11	ELECT 4.7UF	20.00% 50V
C234	1-126-963-11	ELECT 4.7UF	20.00% 50V
C235	1-104-665-11	ELECT 100UF	20.00% 16V
C236	1-104-666-11	ELECT 220UF	20.00% 25V
C237	1-104-665-11	ELECT 100UF	20.00% 16V
C238	1-136-167-00	MYLAR 0.15UF	5.00% 50V
C239	1-104-665-11	ELECT 100UF	20.00% 16V
C240	1-136-167-00	MYLAR 0.15UF	5.00% 50V
C241	1-126-942-61	ELECT 1000UF	20.00% 25V
C242	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C243	1-126-964-11	ELECT 10UF	20.00% 50V
C244	1-126-942-61	ELECT 1000UF	20.00% 25V
C246	1-126-964-11	ELECT 10UF	20.00% 50V
C247	1-126-942-61	ELECT 1000UF	20.00% 25V
C252	1-126-961-11	ELECT 2.2UF	20.00% 50V
C253	1-104-665-11	ELECT 100UF	20.00% 16V
C254	1-163-023-00	CERAMIC CHIP 0.015UF	10.00% 50V
C255	1-163-023-00	CERAMIC CHIP 0.015UF	10.00% 50V
C257	1-136-167-00	MYLAR 0.15UF	5.00% 50V
C258	1-136-167-00	MYLAR 0.15UF	5.00% 50V
C300	1-104-664-11	ELECT 47UF	20.00% 16V
C304	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C305	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C306	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C307	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C308	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C309	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C310	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C311	1-163-231-11	CERAMIC CHIP 15PF	5.00% 50V
C312	1-163-231-11	CERAMIC CHIP 15PF	5.00% 50V
C313	1-104-665-11	ELECT 100UF	20.00% 16V
C314	1-164-161-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C315	1-107-823-11	CERAMIC CHIP 0.047UF	10.00% 16V
C316	1-102-125-00	CERAMIC 0.0047UF	10.00% 50V
C319	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C320	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C321	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C322	1-216-295-91	SHORT 0	
C323	1-163-235-11	CERAMIC CHIP 22PF	5.00% 50V
C324	1-164-505-11	CERAMIC CHIP 2.2UF	16V
C325	1-163-093-00	CERAMIC CHIP 10PF	5.00% 50V
C326	1-163-095-00	CERAMIC CHIP 12PF	5.00% 50V
C327	1-163-093-00	CERAMIC CHIP 10PF	5.00% 50V
C328	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C329	1-163-016-00	CERAMIC CHIP 0.0039UF	10.00% 50V
C330	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C331	1-126-964-11	ELECT 10UF	20.00% 50V
C332	1-136-165-00	MYLAR 0.1UF	5.00% 50V
C333	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C334	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C335	1-102-973-00	CERAMIC 100PF	5.00% 50V

REF.NO.	PART NO.	DESCRIPTION	REMARK	
C336	1-126-964-11	ELECT	10UF	20.00% 50V
C337	1-104-665-11	ELECT	100UF	20.00% 16V
C338	1-107-823-11	CERAMIC CHIP	0.47UF	10.00% 16V
C339	1-163-121-00	CERAMIC CHIP	150PF	5.00% 50V
C340	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C341	1-163-117-00	CERAMIC CHIP	100PF	5.00% 50V
C342	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C344	1-126-964-11	ELECT	10UF	20.00% 50V
C349	1-126-964-11	ELECT	10UF	20.00% 50V
C359	1-104-665-11	ELECT	100UF	20.00% 16V
C361	1-163-009-11	CERAMIC CHIP	0.001UF	10.00% 50V
C362	1-163-235-11	CERAMIC CHIP	22PF	5.00% 50V
C367	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C368	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C369	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C370	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C374	1-104-664-11	ELECT	47UF	20.00% 10V
C375	1-104-664-11	ELECT	47UF	20.00% 10V
C376	1-107-823-11	CERAMIC CHIP	0.47UF	10.00% 16V
C402	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C403	1-126-965-11	ELECT	22UF	20.00% 50V
C405	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00% 50V
C406	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00% 50V
C407	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00% 50V
C408	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00% 50V
C410	1-163-103-00	CERAMIC CHIP	27PF	5.00% 50V
C411	1-163-113-00	CERAMIC CHIP	68PF	5.00% 50V
C413	1-104-665-11	ELECT	100UF	20.00% 16V
C415	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00% 50V
C420	1-104-664-11	ELECT	47UF	20.00% 16V
C423	1-163-129-00	CERAMIC CHIP	330PF	5.00% 50V
C501	1-102-228-00	CERAMIC	470PF	10.00% 500V
C523	1-104-665-11	ELECT	100UF	20.00% 16V
C548	1-106-220-00	MYLAR	0.1UF	10.00% 100V
C551	1-126-968-11	ELECT	100UF	20.00% 35V
C552	1-126-968-11	ELECT	100UF	20.00% 35V
C553	1-163-019-00	CERAMIC CHIP	0.0068UF	10.00% 50V
C554	1-102-244-00	CERAMIC	220PF	10.00% 500V
C555	1-101-804-00	CERAMIC	10PF	5.00% 500V
C562	1-104-665-11	ELECT	100UF	20.00% 16V
C602	1-161-830-00	CERAMIC	0.0047UF	99% 500V
C603	1-161-830-00	CERAMIC	0.0047UF	99% 500V
C604	1-117-752-11	ELECT(BLOCK)	330UF	20.00% 450V
C605	1-161-830-00	CERAMIC	0.0047UF	99% 500V
C606	1-161-830-00	CERAMIC	0.0047UF	99% 500V
C607	1-161-830-00	CERAMIC	0.0047UF	99% 500V
C608	1-104-332-11	CERAMIC	470PF	10.00% 2KV
C609	1-123-024-21	ELECT	33UF	160V
C610	1-126-943-11	ELECT	2200UF	20.00% 25V
C611	△ 1-117-697-11	CERAMIC	470PF	10.00% 250V
C612	1-102-228-00	CERAMIC	470PF	10.00% 500V
C613	1-102-824-00	CERAMIC	470PF	5.00% 50V
C614	1-126-943-11	ELECT	2200UF	20.00% 25V
C616	1-102-228-00	CERAMIC	470PF	10.00% 500V
C618	1-163-005-11	CERAMIC CHIP	470PF	10.00% 50V
C619	1-162-116-00	CERAMIC	680PF	10.00% 2KV
C621	△ 1-104-705-51	MYLAR	0.1UF	20.00% 250V
C622	1-106-383-00	MYLAR	0.047UF	10.00% 200V

The components identified by shading
and mark Δ are critical for safety.
Replace only with part number specified.

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REF. NO.	PART NO.	DESCRIPTION	REMARK	
C623	1-126-934-11	ELECT	220UF	20.00% 16V
C624	1-107-884-11	ELECT	1000UF	20.00% 16V
C625	1-102-074-00	CERAMIC	0.001UF	10.00% 50V
C627	1-162-116-00	CERAMIC	680PF	10.00% 2KV
C628	1-163-133-00	CERAMIC CHIP	470PF	5.00% 50V
C630 Δ	1-117-697-11	CERAMIC	470PF	10.00% 250V
C631	1-161-830-00	CERAMIC	0.0047UF	99% 500V
C632 Δ	1-117-697-11	CERAMIC	470PF	10.00% 250V
C633	1-161-754-00	CERAMIC	0.001UF	10.00% 3KV
C634	1-163-005-11	CERAMIC CHIP	470PF	10.00% 50V
C801	1-123-024-21	ELECT	33UF	160V
C802	1-107-364-11	MYLAR	0.01UF	10.00% 200V
C804	1-163-009-11	CERAMIC CHIP	0.001UF	10.00% 50V
C805	1-102-244-00	CERAMIC	220PF	10.00% 500V
C806	1-126-960-11	ELECT	1UF	20.00% 50V
C807	1-136-569-11	FILM	1.2UF	5.00% 200V
C808	1-129-746-00	FILM	0.039UF	5.00% 400V
C809	1-162-115-00	CERAMIC	330PF	10.00% 2KV
C810	1-106-365-00	MYLAR	0.0082UF	99% 200V
C811	1-162-318-11	CERAMIC	0.001UF	10.00% 500V
C812	1-117-646-11	FILM	12000PF	3.00% 1.2KV
C816	1-107-943-11	ELECT	10UF	20.00% 160V
C820	1-161-754-00	CERAMIC	0.001UF	10.00% 2KV
C821	1-104-999-11	MYLAR	0.1UF	10.00% 200V
C822	1-136-111-00	FILM	1UF	5.00% 200V
C823	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50V
C825	1-107-364-11	MYLAR	0.01UF	10.00% 200V
C850	1-124-480-11	ELECT	470UF	20.00% 25V
C853	1-162-318-11	CERAMIC	0.001UF	10.00% 500V
C854	1-124-480-11	ELECT	470UF	20.00% 25V
C856	1-162-318-11	CERAMIC	0.001UF	10.00% 500V
C857	1-136-159-00	MYLAR	0.033UF	5.00% 50V
C860	1-102-228-00	CERAMIC	470PF	10.00% 500V
C861	1-107-654-11	ELECT	33UF	20.00% 250V
C875	1-128-562-11	ELECT	47UF	20.00% 100V
C876	1-107-369-11	MYLAR	0.068UF	10.00% 100V
C891	1-163-007-11	CERAMIC CHIP	680PF	10.00% 50V
C898	1-137-150-11	MYLAR	0.01UF	10.00% 100V
C900	1-163-133-00	CERAMIC CHIP	470PF	5.00% 50V
C901	1-163-133-00	CERAMIC CHIP	470PF	5.00% 50V
C1201	1-104-665-11	ELECT	100UF	20.00% 16V
C1202	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C1203	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C1204	1-104-665-11	ELECT	100UF	20.00% 16V
C1205	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C1206	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C1210	1-104-665-11	ELECT	100UF	20.00% 16V
C1212	1-126-960-11	ELECT	1UF	20.00% 50V
C1213	1-126-960-11	ELECT	1UF	20.00% 50V
C1214	1-104-665-11	ELECT	100UF	20.00% 16V
C1215	1-163-123-00	CERAMIC CHIP	180PF	5.00% 50V
C1216	1-164-005-11	CERAMIC CHIP	0.47UF	25V
C1217	1-104-665-11	ELECT	100UF	20.00% 16V
C1218	1-163-123-00	CERAMIC CHIP	180PF	5.00% 50V
C1219	1-104-665-11	ELECT	100UF	20.00% 16V
C1221	1-164-005-11	CERAMIC CHIP	0.47UF	25V
C1222	1-164-005-11	CERAMIC CHIP	0.47UF	25V

REF. NO.	PART NO.	DESCRIPTION	REMARK	
C1223	1-164-346-11	CERAMIC CHIP	1UF	16V
C1226	1-126-934-11	ELECT	220UF	20.00% 16V
C1228	1-164-346-11	CERAMIC CHIP	1UF	16V
C1230	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V
C1259	1-163-019-00	CERAMIC CHIP	0.0068UF	10.00% 50V
C1260	1-163-019-00	CERAMIC CHIP	0.0068UF	10.00% 50V
C1513	1-126-968-11	ELECT	100UF	20.00% 50V
<FILTER>				
CF55	1-567-099-00	FILTER, CERAMIC (KV-J14P2S)		
CF55	1-767-221-11	FILTER, CERAMIC (KV-J51PF2S)		
<CONNECTOR>				
CN100 *	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P		
CN101 *	1-508-797-00	PIN, CONNECTOR 4P		
CN102 *	1-564-506-11	PLUG, CONNECTOR 3P (KV-J51PF2S)		
CN103 *	1-564-509-11	PLUG, CONNECTOR 6P		
CN111 *	1-564-505-11	PLUG, CONNECTOR 2P (KV-J51PF2S)		
CN251 *	1-564-507-11	PLUG, CONNECTOR 4P		
CN601 *	1-580-843-11	PIN, CONNECTOR (POWER)		
CN602 *	1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P		
CN603 *	1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P		
CN606	1-695-915-11	TAB (CONTACT) (KV-J51PF2S)		
CN609 *	1-564-506-11	PLUG, CONNECTOR 3P (KV-J51PF2S)		
CN612	1-695-915-11	TAB (CONTACT) (KV-J51PF2S)		
CN613	1-695-915-11	TAB (CONTACT) (KV-J51PF2S)		
CN614	1-695-915-11	TAB (CONTACT) (KV-J51PF2S)		
CN615	1-695-915-11	TAB (CONTACT) (KV-J51PF2S)		
CN851	1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P		
<TRIMMER>				
CT55	1-404-801-11	TRAP, CERAMIC		
<DIODE>				
D001	8-719-109-81	DIODE RD4.7ES-T1B		
D002	8-719-911-19	DIODE 1SS119-25TD		
D003	8-719-041-97	DIODE MA113-(TX)		
D005	8-719-109-84	DIODE RD5.1ES-T1B		
D008	8-719-109-89	DIODE RD5.6ES-T1B2		
D103	8-719-914-42	DIODE DA204K-T-146		
D201	8-719-041-97	DIODE MA113-(TX)		
D202	1-216-295-91	SHORT 0		
D251	8-719-041-97	DIODE MA113-(TX)		
D252	8-719-914-42	DIODE DA204K-T-146		
D253	8-719-041-97	DIODE MA113-(TX)		
D300	8-719-041-97	DIODE MA113-(TX) (KV-J14P2S)		
D301	8-719-041-97	DIODE MA113-(TX)		
D302	8-719-041-97	DIODE MA113-(TX) (KV-J14P2S)		
D304	8-719-041-97	DIODE MA113-(TX) (KV-J14P2S)		
D305	8-719-041-97	DIODE MA113-(TX)		
D306	8-719-911-19	DIODE 1SS119-25TD		
D307	8-719-911-19	DIODE 1SS119-25TD		

KV-J14P2S/J51PF2S
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The components identified by shading and mark \triangle are critical for safety.
Replace only with part number specified.

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
D308	8-719-109-54	DIODE RD2.2ES-T1B				<IC>	
D310	8-719-041-97	DIODE MA113-(TX)		IC001	8-752-891-28	IC CXP85220A-058S	
D311	8-719-109-54	DIODE RD2.2ES-T1B		IC002	8-759-805-37	IC L78LR05D-MA	
D312	8-719-070-15	DIODE NNCD8.2A-T1		IC003	8-759-370-34	IC AT24C04A-10PC-B	
D315	8-719-070-16	DIODE NNCD9.1A-T1		IC004	8-742-205-30	HYB IC SBX3081-01(30)	
D351	8-719-908-03	DIODE GP08DPKG23		IC100	8-759-157-40	DIODE HZT33-02TE	
D399	8-719-977-22	DIODE UDZ-TE-17-9.1B		IC201	8-759-476-86	IC TDA7438D013TR	
D403	8-719-911-19	DIODE 1SS119-25TD		IC203	8-759-339-60	IC TA8248K	
D513	8-719-109-84	DIODE RD5.1ES-T1B		IC300	8-759-365-26	IC TDA8375A	
D551	8-719-908-03	DIODE GP08DPKG23		IC351	8-759-565-20	IC TDA4665T/V5-118	
D561	8-719-911-19	DIODE 1SS119-25TD		IC521	8-759-054-12	IC PQ09RF11	
D591	8-719-911-19	DIODE 1SS119-25TD		IC551	8-759-801-98	IC LA7830	
D601	8-719-510-53	DIODE RBV-406H		IC601	8-749-014-00	IC STR-S6707N	
D604	8-719-312-10	DIODE RU4AM-T3		IC602	8-749-921-89	IC SE115N	
D605	8-719-510-73	DIODE 31DF2-FC5 (KV-J14P2S)		IC603 \triangle	8-749-010-64	PHOTO COUPLER PC123F2	
D605	8-719-067-18	DIODE RN4Z (KV-J51PF2S)		IC801	8-759-100-96	IC UPC4558G2-E1	
D606	8-719-510-46	DIODE 31DF2-FC5 (KV-J14P2S)		IC1210	8-759-100-96	IC UPC4558G2-E1	
D606	8-719-067-18	DIODE RN4Z (KV-J51PF2S)		IC1211	8-759-711-23	IC NJM2234L (KV-J14P2S)	
D607	8-719-510-47	DIODE ERA92-02-V1				<JACK>	
D609	8-719-510-47	DIODE ERA92-02-V1		J251	1-770-786-11	JACK	
D610	8-719-510-47	DIODE ERA92-02-V1		J1201	1-779-850-11	JACK BLOCK, PIN 6P	
D611	8-719-510-47	DIODE ERA92-02-V1		J1202	1-770-329-11	JACK, PIN 3P	
D801	8-719-945-80	DIODE ERC06-15STP11				<CHIP CONDUCTOR>	
D802	8-719-979-85	DIODE RGP15J-6040G23		JR050	1-216-295-91	SHORT	0
D851	8-719-028-72	DIODE RGP02-17EL-6433 (KV-J14P2S)		JR052	1-216-295-91	SHORT	0
D851	8-719-302-43	DIODE RGP10GPKG23 (KV-J51PF2S)		JR101	1-216-295-91	SHORT	0
D853	8-719-302-43	DIODE RGP10GPKG23		JR107	1-216-295-91	SHORT	0
D855	8-719-302-43	DIODE RGP10GPKG23		JR108	1-216-295-91	SHORT	0 (KV-J51PF2S)
D857	8-719-908-03	DIODE GP08DPKG23		JR111	1-216-295-91	SHORT	0 (KV-J14P2S)
D858	8-719-908-03	DIODE GP08DPKG23		JR112	8-719-041-97	DIODE MA113-(TX)	
D860	8-719-911-19	DIODE 1SS119-25TD		JR113	1-216-295-91	SHORT	0
D901	1-810-039-11	LED UNIT		JR114	1-208-291-11	RES-CHIP (KV-J14P2S)	4.7M 5% 1/10
D1201	8-719-070-16	DIODE NNCD9.1A-T1		JR115	1-216-295-91	SHORT	0 (KV-J51PF2S)
D1202	8-719-070-16	DIODE NNCD9.1A-T1		JR116	1-216-295-91	SHORT	0
D1203	8-719-070-16	DIODE NNCD9.1A-T1 (KV-J51PF2S)		JR117	1-216-295-91	SHORT	0
D1207	8-719-070-16	DIODE NNCD9.1A-T1		JR118	1-216-295-91	SHORT	0
D1208	8-719-070-16	DIODE NNCD9.1A-T1		JR124	1-216-295-91	SHORT	0
D1209	8-719-070-16	DIODE NNCD9.1A-T1 (KV-J51PF2S)		JR125	1-216-295-91	SHORT	0
D1504	8-719-911-19	DIODE 1SS119-25TD		JR126	1-216-295-91	SHORT	0
D1505	8-719-109-81	DIODE RD4.7ES-T1B		JR179	1-216-295-91	SHORT	0 (KV-J51PF2S)
		<FUSE>		JR251	1-216-295-91	SHORT	0
F601 \triangle	1-532-237-11	FUSE, TIME-LAG (BET) 3.15A/250V		JR266	1-216-295-91	SHORT	0 (KV-J14P2S)
		<FERRITE BEAD>				<COIL>	
FB101	1-410-397-21	FERRITE	1.1UH	L001	1-408-591-11	INDUCTOR	1UH
FB102	1-410-397-21	FERRITE	1.1UH	L002	1-410-509-11	INDUCTOR	10UH
FB103	1-410-397-21	FERRITE	1.1UH	L003	1-408-605-31	INDUCTOR	15UH
FB251	1-410-397-21	FERRITE	1.1UH	L101	1-410-470-11	INDUCTOR	10UH
FB601	1-410-397-21	FERRITE	1.1UH	L301	1-408-602-31	INDUCTOR	8.2UH
FB603	1-410-397-21	FERRITE	1.1UH	L401	1-410-498-11	INDUCTOR	1.2UH
FB610	1-410-396-41	FERRITE	0.45UH	L402	1-410-510-11	INDUCTOR	12UH
FB612	1-410-397-21	FERRITE	1.1UH				
FB801	1-410-397-21	FERRITE	1.1UH (KV-J51PF2S)				

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
L406	1-410-507-11	INDUCTOR 6.8UH		R012	1-216-017-91	RES-CHIP 47	5% 1/10W
L410	1-410-501-11	INDUCTOR 2.2UH		R013	1-216-049-91	RES-CHIP 1K	5% 1/10W
L802	1-412-527-11	INDUCTOR 15UH		R015	1-216-043-91	RES-CHIP 560	5% 1/10W
L804	1-459-075-11	COIL,DYNAMIC CONVERSION CHOKE (KV-J51PF2S)		R016	1-216-049-91	RES-CHIP 1K	5% 1/10W
L805	1-459-769-13	COIL, HORIZONTAL LINEARITY		R017	1-216-057-00	RES-CHIP 2.2K	5% 1/10W
L807	1-459-390-00	INDUCTOR 390UH		R018	1-216-033-00	RES-CHIP 220	5% 1/10W
L808	1-412-552-11	INDUCTOR 2.2MH		R019	1-216-101-00	RES-CHIP 150K	5% 1/10W
L821	1-459-111-00	INDUCTOR 10MH		R021	1-216-065-91	RES-CHIP 4.7K	5% 1/10W
L850	1-408-947-00	INDUCTOR 2.2MH		R022	1-216-295-91	SHORT 0	
		<TRANSISTOR>		R025	1-216-057-00	RES-CHIP 2.2K	5% 1/10W
Q030	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R026	1-216-057-00	RES-CHIP 2.2K	5% 1/10W
Q108	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R028	1-216-025-91	RES-CHIP 100	5% 1/10W
Q109	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R029	1-216-065-91	RES-CHIP 4.7K	5% 1/10W
Q110	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R031	1-216-049-91	RES-CHIP 1K	5% 1/10W
Q202	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R033	1-216-049-91	RES-CHIP 1K	5% 1/10W
Q207	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R035	1-216-049-91	RES-CHIP 1K	5% 1/10W
Q208	8-729-421-19	TRANSISTOR UN2213-TX		R036	1-216-049-91	RES-CHIP 1K	5% 1/10W
Q209	8-729-424-67	TRANSISTOR UN2216-TX (KV-J51PF2S)		R037	1-216-049-91	RES-CHIP 1K	5% 1/10W
Q210	8-729-424-67	TRANSISTOR UN2216-TX				(KV-J51PF2S)	
Q301	8-729-421-22	TRANSISTOR UN2211-TX		R038	1-216-033-00	RES-CHIP 220	5% 1/10W
Q302	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R040	1-216-033-00	RES-CHIP 220	5% 1/10W
Q303	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R041	1-216-025-91	RES-CHIP 100	5% 1/10W
Q402	8-729-922-66	TRANSISTOR 2SC2410S-TPN		R042	1-216-039-00	RES-CHIP 390	5% 1/10W
Q406	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R045	1-216-057-00	RES-CHIP 2.2K	5% 1/10W
Q408	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R047	1-216-025-91	RES-CHIP 100	5% 1/10W
Q409	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R048	1-216-025-91	RES-CHIP 100	5% 1/10W
Q414	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R053	1-216-057-00	RES-CHIP 2.2K	5% 1/10W
Q561	8-729-200-17	TRANSISTOR 2SA1091R-1PE2		R054	1-216-073-00	RES-CHIP 10K	5% 1/10W
Q601	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX (KV-J14P2S)		R057	1-216-049-91	RES-CHIP 1K	5% 1/10W
Q801	8-729-140-50	TRANSISTOR 2SC3209LK-TP		R058	1-216-065-91	RES-CHIP 4.7K	5% 1/10W
Q802	8-729-821-87	TRANSISTOR 2SD1878-CA				(KV-J51PF2S)	
Q821	8-729-209-15	TRANSISTOR 2SD2061-E		R060	1-216-037-00	RES-CHIP 330	5% 1/10W
Q902	8-729-421-19	TRANSISTOR UN2213-TX		R061	1-216-049-91	RES-CHIP 1K	5% 1/10W
Q903	8-729-421-19	TRANSISTOR UN2213-TX		R062	1-216-057-00	RES-CHIP 2.2K	5% 1/10W
Q1201	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R063	1-216-057-00	RES-CHIP 2.2K	5% 1/10W
Q1202	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R065	1-216-033-00	RES-CHIP 220	5% 1/10W
Q1203	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX				(KV-J14P2S)	
Q1204	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R066	1-216-033-00	RES-CHIP 220	5% 1/10W
Q1205	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX (KV-J51PF2S)				(KV-J14P2S)	
Q1207	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R068	1-216-025-91	RES-CHIP 100	5% 1/10W
Q1208	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R071	1-216-037-00	RES-CHIP 330	5% 1/10W
Q1209	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R072	1-216-061-00	RES-CHIP 3.3K	5% 1/10W
Q1264	8-729-424-67	TRANSISTOR UN2216-TX (KV-J51PF2S)		R076	1-216-025-91	RES-CHIP 100	5% 1/10W
Q1265	8-729-424-67	TRANSISTOR UN2216-TX		R077	1-216-025-91	RES-CHIP 100	5% 1/10W
Q1513	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R090	1-216-073-00	RES-CHIP 10K	5% 1/10W
		<RESISTOR>		R101	1-216-065-91	RES-CHIP 4.7K	5% 1/10W
R001	1-216-065-91	RES-CHIP 4.7K	5% 1/10W	R102	1-216-049-91	RES-CHIP 1K	5% 1/10W
R002	1-216-065-91	RES-CHIP 4.7K	5% 1/10W	R113	1-216-081-00	RES-CHIP 22K	5% 1/10W
R003	1-216-065-91	RES-CHIP 4.7K	5% 1/10W	R114	1-216-041-00	RES-CHIP 470	5% 1/10W
R004	1-216-065-91	RES-CHIP 4.7K	5% 1/10W	R115	1-216-081-00	RES-CHIP 22K	5% 1/10W
R007	1-216-073-00	RES-CHIP 10K	5% 1/10W	R116	1-216-081-00	RES-CHIP 22K	5% 1/10W
R008	1-216-057-00	RES-CHIP 2.2K	5% 1/10W	R117	1-216-081-00	RES-CHIP 22K	5% 1/10W
R010	1-216-049-91	RES-CHIP 1K	5% 1/10W	R118	1-216-081-00	RES-CHIP 22K	5% 1/10W
				R119	1-216-055-00	RES-CHIP 1.8K	5% 1/10W
				R120	1-216-109-00	RES-CHIP 330K	5% 1/10W
				R131	1-216-464-11	METAL OXIDE 18K	5% 2W
				R180	1-216-033-00	RES-CHIP 220	5% 1/10W

KV-J14P2S/J51PF2S
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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R181	1-216-033-00	RES-CHIP	220 5% 1/10W	R303	1-216-025-91	RES-CHIP	100 5% 1/10W
R182	1-216-033-00	RES-CHIP	220 5% 1/10W	R304	1-216-025-91	RES-CHIP	100 5% 1/10W
R203	1-216-033-00	RES-CHIP	220 5% 1/10W	R305	1-216-025-91	RES-CHIP	100 5% 1/10W
		(KV-J51PF2S)					
R204	1-216-033-00	RES-CHIP	220 5% 1/10W	R306	1-216-025-91	RES-CHIP	100 5% 1/10W
		(KV-J51PF2S)		R307	1-216-025-91	RES-CHIP	100 5% 1/10W
R210	1-216-061-00	RES-CHIP	3.3K 5% 1/10W	R308	1-216-033-00	RES-CHIP	220 5% 1/10W
		(KV-J51PF2S)		R309	1-216-033-00	RES-CHIP	220 5% 1/10W
				R310	1-216-097-91	RES-CHIP	100K 5% 1/10W
R211	1-216-061-00	RES-CHIP	3.3K 5% 1/10W				
		(KV-J51PF2S)		R311	1-216-075-00	RES-CHIP	12K 5% 1/10W
R212	1-216-059-00	RES-CHIP	2.7K 5% 1/10W	R312	1-216-025-91	RES-CHIP	100 5% 1/10W
		(KV-J51PF2S)		R313	1-216-061-00	RES-CHIP	3.3K 5% 1/10W
R213	1-216-059-00	RES-CHIP	2.7K 5% 1/10W	R314	1-216-025-91	RES-CHIP	100 5% 1/10W
		(KV-J51PF2S)		R315	1-216-295-91	SHORT	0 5% 1/10W
R240	1-216-035-00	RES-CHIP	270 5% 1/10W				
		(KV-J51PF2S)		R316	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R240	1-216-031-00	RES-CHIP	180 5% 1/10W			(KV-J51PF2S)	
		(KV-J14P2S)		R317	1-216-049-91	RES-CHIP	1K 5% 1/10W
						(KV-J51PF2S)	
R242	1-216-035-00	RES-CHIP	270 5% 1/10W	R318	1-216-099-00	RES-CHIP	120K 5% 1/10W
		(KV-J51PF2S)		R319	1-216-123-11	RES-CHIP	1.2M 5% 1/10W
R243	1-216-073-00	RES-CHIP	10K 5% 1/10W	R320	1-216-083-00	RES-CHIP	27K 5% 1/10W
R244	1-216-073-00	RES-CHIP	10K 5% 1/10W				
R245	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R321	1-208-820-11	METAL CHIP	39K 0.5% 1/10W
		(KV-J51PF2S)		R322	1-216-083-00	RES-CHIP	27K 5% 1/10W
R245	1-216-075-00	RES-CHIP	12K 5% 1/10W	R324	1-216-133-00	RES-CHIP	3.3M 5% 1/10W
		(KV-J14P2S)				(KV-J14P2S)	
				R325	1-216-295-91	SHORT	0
R246	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R326	1-216-039-00	RES-CHIP	390 5% 1/10W
		(KV-J51PF2S)					
R247	1-216-049-91	RES-CHIP	1K 5% 1/10W	R327	1-216-295-91	SHORT	0
		(KV-J51PF2S)		R328	1-216-295-91	SHORT	0
R248	1-216-049-91	RES-CHIP	1K 5% 1/10W	R329	1-216-295-91	SHORT	0
		(KV-J51PF2S)		R330	1-216-043-91	RES-CHIP	560 5% 1/10W
R248	1-216-071-00	RES-CHIP	8.2K 5% 1/10W	R331	1-216-117-00	RES-CHIP	680K 5% 1/10W
		(KV-J14P2S)					
R249	1-216-049-91	RES-CHIP	1K 5% 1/10W	R332	1-216-033-00	RES-CHIP	220 5% 1/10W
		(KV-J51PF2S)		R333	1-216-077-91	RES-CHIP	15K 5% 1/10W
						(KV-J14P2S)	
R250	1-216-049-91	RES-CHIP	1K 5% 1/10W	R334	1-216-041-00	RES-CHIP	470 5% 1/10W
		(KV-J51PF2S)				(KV-J51PF2S)	
R250	1-216-071-00	RES-CHIP	8.2K 5% 1/10W	R335	1-216-073-00	RES-CHIP	10K 5% 1/10W
		(KV-J14P2S)		R336	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R251	1-216-295-91	SHORT	0 (KV-J51PF2S)				
R251	1-216-049-91	RES-CHIP	1K 5% 1/10W	R338	1-216-295-91	SHORT	0
		(KV-J14P2S)		R339	1-216-036-00	RES-CHIP	300 5% 1/10W
R252	1-249-411-11	CARBON	330 5% 1/4W	R340	1-216-035-00	RES-CHIP	270 5% 1/10W
		(KV-J51PF2S)		R341	1-216-049-91	RES-CHIP	1K 5% 1/10W
				R351	1-216-001-00	RES-CHIP	10 5% 1/10W
R252	1-247-815-91	CARBON	220 5% 1/4W				
		(KV-J14P2S)		R355	1-216-001-00	RES-CHIP	10 5% 1/10W
R253	1-216-073-00	RES-CHIP	10K 5% 1/10W	R356	1-216-049-91	RES-CHIP	1K 5% 1/10W
R254	1-249-389-11	CARBON	4.7 5% 1/4W	R360	1-208-291-11	RES-CHIP	4.7M 5% 1/10W
R255	1-249-389-11	CARBON	4.7 5% 1/4W	R403	1-216-021-00	RES-CHIP	68 5% 1/10W
R256	1-249-411-11	CARBON	330 5% 1/4W	R406	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
		(KV-J51PF2S)					
				R407	1-216-063-91	RES-CHIP	3.9K 5% 1/10W
R256	1-247-815-91	CARBON	220 5% 1/4W	R408	1-216-055-00	RES-CHIP	1.8K 5% 1/10W
		(KV-J14P2S)		R409	1-216-025-91	RES-CHIP	100 5% 1/10W
R257	8-719-041-97	DIODE MA113-(TX)		R414	1-216-041-00	RES-CHIP	470 5% 1/10W
R264	1-216-061-00	RES-CHIP	3.3K 5% 1/10W	R416	1-216-033-00	RES-CHIP	220 5% 1/10W
		(KV-J51PF2S)					
R265	1-216-061-00	RES-CHIP	3.3K 5% 1/10W	R419	1-216-049-91	RES-CHIP	1K 5% 1/10W
R266	1-216-073-00	RES-CHIP	10K 5% 1/10W	R420	1-216-039-00	RES-CHIP	390 5% 1/10W
				R421	1-216-033-00	RES-CHIP	220 5% 1/10W
R301	1-216-073-00	RES-CHIP	10K 5% 1/10W	R424	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
		(KV-J14P2S)		R425	1-216-039-00	RES-CHIP	390 5% 1/10W
R302	1-216-063-91	RES-CHIP	3.9K 5% 1/10W				
		(KV-J14P2S)					

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R426	1-216-029-00	RES-CHIP	150 5% 1/10W	R803	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R429	1-216-031-00	RES-CHIP	180 5% 1/10W			(KV-J51PF2S)	
R433	1-216-081-00	RES-CHIP	22K 5% 1/10W	R804	1-216-049-91	RES-CHIP	1K 5% 1/10W
R434	1-216-041-00	RES-CHIP	470 5% 1/10W	R805	1-216-081-00	RES-CHIP	22K 5% 1/10W
R440	1-216-029-00	RES-CHIP	150 5% 1/10W	R809	1-247-756-11	CARBON	2.2K 5% 1/2W
				R811	1-216-343-00	METAL OXIDE	0.33 5% 1W
R521	1-216-049-91	RES-CHIP	1K 5% 1/10W				
R552	1-216-101-00	RES-CHIP	150K 5% 1/10W	R812	1-216-075-00	RES-CHIP	12K 5% 1/10W
		(KV-J51PF2S)				(KV-J51PF2S)	
R553	1-216-081-00	RES-CHIP	22K 5% 1/10W	R816	1-249-435-11	CARBON	33K 5% 1/4W
		(KV-J51PF2S)		R820	1-216-655-11	METAL CHIP	1.5K 0.5% 1/10W
R554	1-163-009-11	CERAMIC CHIP	0.001UF 10.00% 50V	R821	1-215-911-11	METAL OXIDE	100 5% 3W
		(KV-J51PF2S)		R822	1-216-429-00	METAL OXIDE	270 5% 1W
R555	1-249-429-11	CARBON	10K 5% 1/4W				
R556	1-216-049-91	RES-CHIP	1K 5% 1/10W	R823	1-249-931-11	CARBON	2.2K 5% 1/4W
R557	1-216-055-00	RES-CHIP	1.8K 5% 1/10W	R824	1-215-889-00	METAL OXIDE	330 5% 2W
R560	1-216-295-91	SHORT	0			(KV-J14P2S)	
R561	1-249-421-11	CARBON	2.2K 5% 1/4W	R825	1-249-392-11	CARBON	8.2 5% 1/4W
R562	1-249-419-11	CARBON	1.5K 5% 1/4W	R826	1-216-059-00	RES-CHIP	2.7K 5% 1/10W
						(KV-J51PF2S)	
R563	1-260-126-11	CARBON	180K 5% 1/2W	R827	1-216-095-00	RES-CHIP	82K 5% 1/10W
R564	1-216-091-00	RES-CHIP	56K 5% 1/10W			(KV-J51PF2S)	
R565	1-216-091-00	RES-CHIP	56K 5% 1/10W	R828	1-216-063-91	RES-CHIP	3.9K 5% 1/10W
R566	1-216-065-91	RES-CHIP	4.7K 5% 1/10W			(KV-J51PF2S)	
R569	1-260-125-11	CARBON	150K 5% 1/2W	R829	1-216-053-00	RES-CHIP	1.5K 5% 1/10W
						(KV-J51PF2S)	
R570	1-216-295-91	SHORT	0 (KV-J51PF2S)	R829	1-208-782-11	METAL CHIP	1K 0.5% 1/10W
R571	1-216-033-00	RES-CHIP	220 5% 1/10W			(KV-J14P2S)	
R601	1-202-968-11	CEMENTED	1.2 5% 10W	R831	1-215-886-11	METAL OXIDE	100 5% 2W
		(KV-J51PF2S)				(KV-J51PF2S)	
R602	1-202-968-11	CEMENTED	1.2 5% 10W	R831	1-215-887-00	METAL OXIDE	150 5% 2W
		(KV-J51PF2S)				(KV-J14P2S)	
R603	1-249-417-11	CARBON	1K 5% 1/4W				
		(KV-J14P2S)		R832	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R604	1-249-417-11	CARBON	1K 5% 1/4W			(KV-J51PF2S)	
		(KV-J14P2S)		R834	1-216-073-00	RES-CHIP	10K 5% 1/10W
R606	1-215-915-11	METAL OXIDE	470 5% 3W			(KV-J51PF2S)	
		(KV-J51PF2S)		R834	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R610	1-215-924-00	METAL OXIDE	15K 5% 3W			(KV-J14P2S)	
R611	1-202-933-61	FUSIBLE	0.1 10% 1/2W	R851	1-249-382-11	CARBON	1.2 5% 1/4W
R612	1-249-377-11	CARBON	0.47 5% 1/4W	R852	1-249-417-11	CARBON	1K 5% 1/4W
						(KV-J14P2S)	
R613	1-249-377-11	CARBON	0.47 5% 1/4W	R853	1-249-377-11	CARBON	0.47 5% 1/4W
R614	1-215-877-11	METAL OXIDE	22K 5% 1W	R854	1-249-377-11	CARBON	0.47 5% 1/4W
R615	1-249-389-11	CARBON	4.7 5% 1/4W	R855	1-202-818-00	SOLID	1K 20% 1/2W
R616 Δ	1-218-265-91	METAL	8.2M 5% 1W			(KV-J51PF2S)	
R617	1-215-924-00	METAL OXIDE	15K 5% 3W	R855	1-260-107-11	CARBON	4.7K 5% 1/2W
						(KV-J14P2S)	
R618	1-249-377-11	CARBON	0.47 5% 1/4W	R856	1-249-429-11	CARBON	10K 5% 1/4W
R619	1-249-377-11	CARBON	0.47 5% 1/4W				
R621	1-243-839-11	RES, CEMENT-COATED	47 (KV-J14P2S)	R857	1-249-438-11	CARBON	56K 5% 1/4W
R622	1-217-192-21	WIREMOUND	0.22 10% 2W			(KV-J51PF2S)	
R623	1-247-807-31	CARBON	100 5% 1/4W	R857	1-249-440-11	CARBON	82K 5% 1/4W
						(KV-J14P2S)	
R624	1-216-446-00	METAL OXIDE	18 5% 2W	R858	1-216-370-11	METAL OXIDE	1.2 5% 2W
R625	1-249-424-11	CARBON	3.9K 5% 1/4W	R860	1-247-887-00	CARBON	220K 5% 1/4W
R626	1-249-420-11	CARBON	1.8K 5% 1/4W	R881	1-216-043-91	RES-CHIP	560 5% 1/10W
R627	1-249-417-11	CARBON	1K 5% 1/4W			(KV-J51PF2S)	
R628	1-249-417-11	CARBON	1K 5% 1/4W				
				R882	1-216-059-00	RES-CHIP	2.7K 5% 1/10W
R629	1-249-399-11	CARBON	33 5% 1/4W			(KV-J51PF2S)	
R632	1-249-381-11	CARBON	1 5% 1/4W	R883	1-216-121-91	RES-CHIP	1M 5% 1/10W
		(KV-J51PF2S)				(KV-J51PF2S)	
R636	1-215-924-00	METAL OXIDE	15K 5% 3W	R883	1-208-827-11	METAL CHIP	75K 0.5% 1/10W
R801	1-215-920-11	METAL OXIDE	3.3K 5% 3W			(KV-J14P2S)	
R802	1-249-385-11	CARBON	2.2 5% 1/4W				
		(KV-J51PF2S)					

KV-J14P2S/J51PF2S
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REF. NO.	PART NO.	DESCRIPTION	REMARK		
R895	1-216-349-00	METAL OXIDE	1	5%	1W
R898	1-249-421-11	CARBON	2.2K	5%	1/4W
R902	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R906	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R907	1-216-043-91	RES-CHIP	560	5%	1/10W
R908	1-216-059-00	RES-CHIP	2.7K	5%	1/10W
R909	1-216-071-00	RES-CHIP	8.2K	5%	1/10W
R910	1-216-043-91	RES-CHIP	560	5%	1/10W
R911	1-216-059-00	RES-CHIP	2.7K	5%	1/10W
R912	1-216-071-00	RES-CHIP	8.2K	5%	1/10W
R913	1-216-041-00	RES-CHIP	470	5%	1/10W
R914	1-216-041-00	RES-CHIP	470	5%	1/10W
R1201	1-216-023-00	RES-CHIP	82	5%	1/10W
R1202	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1203	1-216-089-91	RES-CHIP	47K	5%	1/10W
R1204	1-216-089-91	RES-CHIP (KV-J51PF2S)	47K	5%	1/10W
R1205	1-216-023-00	RES-CHIP	82	5%	1/10W
R1206	1-216-089-91	RES-CHIP	47K	5%	1/10W
R1207	1-216-089-91	RES-CHIP	47K	5%	1/10W
R1211	1-216-021-00	RES-CHIP	68	5%	1/10W
R1212	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1213	1-216-049-91	RES-CHIP (KV-J51PF2S)	1K	5%	1/10W
R1214	1-216-113-00	RES-CHIP (KV-J51PF2S)	470K	5%	1/10W Q
R1215	1-216-113-00	RES-CHIP	470K	5%	1/10W
R1216	1-216-113-00	RES-CHIP	470K	5%	1/10W
R1218	1-216-041-00	RES-CHIP	470	5%	1/10W
R1219	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1220	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1221	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1222	1-216-049-91	RES-CHIP (KV-J51PF2S)	1K	5%	1/10W
R1223	1-216-073-00	RES-CHIP (KV-J51PF2S)	10K	5%	1/10W
R1224	1-216-073-00	RES-CHIP (KV-J51PF2S)	10K	5%	1/10W
R1226	1-216-689-11	RES-CHIP (KV-J51PF2S)	39K	5%	1/10W
R1227	1-216-689-11	RES-CHIP	39K	5%	1/10W
R1228	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1229	1-216-041-00	RES-CHIP	470	5%	1/10W
R1230	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1231	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1232	1-216-063-91	RES-CHIP	3.9K	5%	1/10W
R1233	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1234	1-216-088-00	RES-CHIP (KV-J51PF2S)	43K	5%	1/10W
R1235	1-216-088-00	RES-CHIP	43K	5%	1/10W
R1239	1-249-389-11	CARBON	4.7	5%	1/4W
R1240	1-216-025-91	RES-CHIP	100	5%	1/10W
R1241	1-216-049-91	RES-CHIP	1K	5%	1/10W
R1242	1-216-049-91	RES-CHIP (KV-J51PF2S)	1K	5%	1/10W
R1243	1-216-025-91	RES-CHIP	100	5%	1/10W
R1244	1-216-025-91	RES-CHIP (KV-J51PF2S)	100	5%	1/10W
R1245	1-216-037-00	RES-CHIP	330	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION	REMARK		
R1246	1-216-037-00	RES-CHIP	330	5%	1/10W
R1247	1-216-041-00	RES-CHIP	470	5%	1/10W
R1248	1-216-051-00	RES-CHIP	1.2K	5%	1/10W
R1249	1-216-041-00	RES-CHIP	470	5%	1/10W
R1250	1-216-119-00	RES-CHIP	820K	5%	1/10W
R1251	1-216-119-00	RES-CHIP	820K	5%	1/10W
R1252	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R1253	1-216-060-00	RES-CHIP	3K	5%	1/10W
R1513	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1514	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1515	1-216-025-91	RES-CHIP	100	5%	1/10W
<SWITCH>					
S601	△ 1-571-433-31	SWITCH, PUSH (AC POWER)			
S801	1-572-707-11	SWITCH, LEVER			
S901	1-571-532-21	SWITCH, TACTIL			
S902	1-571-532-21	SWITCH, TACTIL			
S903	1-571-532-21	SWITCH, TACTIL			
S904	1-571-532-21	SWITCH, TACTIL			
S905	1-571-532-21	SWITCH, TACTIL			
S906	1-571-532-21	SWITCH, TACTIL			
<SPARK GAP>					
SG801	1-519-422-11	GAP, SPARK			
<#####>					
SWF401	1-577-169-12	SAWF			
<TRANSFORMER>					
T601	△ 1-429-137-21	TRANSFORMER, CONVERTER (SRT)			
T605	△ 1-424-682-11	TRANSFORMER, LINE FILTER			
T801	1-437-195-11	TRANSFORMER, HORIZONTAL DRIVE			
T851	△ 1-453-250-11	TRANSFORMER FLYBACK ASSY (NX-1746//M3A)			
T851	△ 1-453-249-11	TRANSFORMER FLYBACK ASSY (NX-1733//M3A)			
<THERMISTOR>					
THP601	△ 1-808-059-32	THERMISTOR, POSITIVE (KV-J51PF2S)			
THP601	△ 1-806-165-12	THERMISTOR, POSITIVE (KV-J14P2S)			
<TUNER>					
TU101	8-598-323-50	VSS TUNER BT-AG401			
<CRYSTAL>					
X101	1-577-358-21	VIBRATOR, CERAMIC			
X300	1-411-752-11	COIL			
X358	1-567-505-11	OSCILLATOR, CRYSTAL			
X443	1-567-504-11	OSCILLATOR, CRYSTAL			

The components identified by shading
and mark Δ are critical for safety.
Replace only with part number specified.

C

REF. NO.	PART NO.	DESCRIPTION	REMARK
* A-1332-069-A C BOARD MOUNTED (KV-J14P2S)			
* A-1332-068-A C BOARD MOUNTED (KV-J51PF2S)			

<CAPACITOR>			
C701	1-162-114-00	CERAMIC	0.0047UF 2KV
C702	1-102-074-00	CERAMIC	0.001UF 10.00% 50V
		(KV-J51PF2S)	
C702	1-136-601-11	FILM	0.01UF 5.00% 630V
		(KV-J14P2S)	
C703	1-107-651-11	ELECT	4.7UF 20.00% 250V
C704	1-130-202-00	FILM	0.022UF 5.00% 400V
		(KV-J51PF2S)	
C704	1-107-651-11	ELECT	4.7UF 20.00% 250V
		(KV-J14P2S)	
C705	1-102-116-00	CERAMIC	680PF 10.00% 50V
		(KV-J14P2S)	
C706	1-102-116-00	CERAMIC	680PF 10.00% 50V
		(KV-J14P2S)	
C707	1-102-117-00	CERAMIC	820PF 10.00% 50V
		(KV-J14P2S)	
C708	1-102-114-00	CERAMIC	470PF 10.00% 50V
		(KV-J51PF2S)	
C708	1-102-116-00	CERAMIC	680PF 10.00% 50V
		(KV-J14P2S)	
C709	1-102-114-00	CERAMIC	470PF 10.00% 50V
		(KV-J51PF2S)	
C710	1-102-114-00	CERAMIC	470PF 10.00% 50V
		(KV-J51PF2S)	
C712	1-102-116-00	CERAMIC	680PF 10.00% 50V
		(KV-J51PF2S)	
C712	1-102-114-00	CERAMIC	470PF 10.00% 50V
		(KV-J14P2S)	
C713	1-102-116-00	CERAMIC	680PF 10.00% 50V
		(KV-J51PF2S)	
C713	1-102-115-00	CERAMIC	560PF 10.00% 50V
		(KV-J14P2S)	
C714	1-102-116-00	CERAMIC	680PF 10.00% 50V
C716	1-126-933-11	ELECT	100UF 20.00% 16V
		(KV-J51PF2S)	
C716	1-102-106-00	CERAMIC	100PF 10.00% 50V
		(KV-J14P2S)	
C717	1-101-880-00	CERAMIC	47PF 5.00% 50V
		(KV-J51PF2S)	
C736	1-102-114-00	CERAMIC	470PF 10.00% 50V
		(KV-J51PF2S)	
C737	1-102-114-00	CERAMIC	470PF 10.00% 50V
		(KV-J51PF2S)	
C746	1-102-114-00	CERAMIC	470PF 10.00% 50V
		(KV-J51PF2S)	
<CONNECTOR>			
CN701	1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P	(KV-J51PF2S)
CN701	1-695-915-11	TAB (CONTACT)	(KV-J14P2S)
CN703	* 1-564-509-11	PLUG, CONNECTOR 6P	
CN704	1-695-915-11	TAB (CONTACT)	

REF. NO.	PART NO.	DESCRIPTION	REMARK
<DIODE>			
D701	8-719-911-19	DIODE 1SS119-25TD	
D702	8-719-911-19	DIODE 1SS119-25TD	
D703	8-719-911-19	DIODE 1SS119-25TD	
D705	1-102-106-00	CERAMIC 100PF	10.00% 50V
		(KV-J14P2S)	
D707	8-719-911-19	DIODE 1SS119-25TD	(KV-J51PF2S)
D708	8-719-911-19	DIODE 1SS119-25TD	(KV-J51PF2S)
D709	8-719-911-19	DIODE 1SS119-25TD	(KV-J51PF2S)
D710	8-719-911-19	DIODE 1SS119-25TD	(KV-J51PF2S)
D711	8-719-911-19	DIODE 1SS119-25TD	(KV-J51PF2S)
D712	8-719-911-19	DIODE 1SS119-25TD	(KV-J51PF2S)
D712	8-719-991-33	DIODE 1SS133T-77	(KV-J14P2S)
D713	8-719-991-33	DIODE 1SS133T-77	(KV-J14P2S)
D714	8-719-991-33	DIODE 1SS133T-77	(KV-J14P2S)
D716	8-719-911-19	DIODE 1SS119-25TD	(KV-J51PF2S)
D717	8-719-929-15	DIODE RD9.1ES-T1B	(KV-J51PF2S)
<JACK>			
J701	Δ 1-251-388-11	SOCKET, CRT	(KV-J51PF2S)
J701	Δ 1-251-192-11	SOCKET, CRT	(KV-J14P2S)
<COIL>			
L701	1-410-667-31	INDUCTOR	22UH
<TRANSISTOR>			
Q704	8-729-326-11	TRANSISTOR 2SC2611	(KV-J51PF2S)
Q704	8-729-326-11	TRANSISTOR 2SC3271-N	(KV-J14P2S)
Q705	8-729-326-11	TRANSISTOR 2SC2611	(KV-J51PF2S)
Q705	8-729-326-11	TRANSISTOR 2SC3271-N	(KV-J14P2S)
Q706	8-729-326-11	TRANSISTOR 2SC2611	(KV-J51PF2S)
Q706	8-729-326-11	TRANSISTOR 2SC3271-N	(KV-J14P2S)
Q707	8-729-200-17	TRANSISTOR 2SA1091O-TPE2	(KV-J51PF2S)
Q708	8-729-200-17	TRANSISTOR 2SA1091O-TPE2	(KV-J51PF2S)
Q709	8-729-200-17	TRANSISTOR 2SA1091O-TPE2	(KV-J51PF2S)
Q710	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	(KV-J51PF2S)
Q711	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	(KV-J51PF2S)
Q712	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	(KV-J51PF2S)
<RESISTOR>			
R701	1-260-133-11	CARBON	680K 5% 1/2W
		(KV-J14P2S)	
R702	1-260-123-11	CARBON	100K 5% 1/2W
		(KV-J14P2S)	
R703	1-249-496-11	CARBON	100K 5% 1/2W
		(KV-J51PF2S)	
R703	1-260-135-11	CARBON	1M 5% 1/2W
		(KV-J14P2S)	
R705	1-216-393-00	METAL OXIDE	2.2 5% 3W
		(KV-J51PF2S)	
R705	1-260-079-11	CARBON	22 5% 1/2W
		(KV-J14P2S)	
R706	1-260-105-11	CARBON	3.3K 5% 1/2W
		(KV-J14P2S)	

KV-J14P2S/J51PF2S
RM-869



REF. NO.	PART NO.	DESCRIPTION			REMARK
R707	1-260-105-11	CARBON (KV-J14P2S)	3.3K	5%	1/2W
R708	1-260-105-11	CARBON (KV-J14P2S)	3.3K	5%	1/2W
R709	1-215-899-11	METAL OXIDE (KV-J14P2S)	15K	5%	2W
R710	1-215-922-11	METAL OXIDE (KV-J51PF2S)	6.8K	5%	3W
R711	1-247-762-11	CARBON (KV-J51PF2S)	6.8K	5%	1/2W
R711	1-215-899-11	METAL OXIDE (KV-J14P2S)	15K	5%	2W
R712	1-215-922-11	METAL OXIDE (KV-J51PF2S)	6.8K	5%	3W
R713	1-247-762-11	CARBON (KV-J51PF2S)	6.8K	5%	1/2W
R713	1-215-899-11	METAL OXIDE (KV-J14P2S)	15K	5%	2W
R714	1-215-922-11	METAL OXIDE (KV-J51PF2S)	6.8K	5%	3W
R714	1-247-807-31	CARBON (KV-J14P2S)	100	5%	1/4W
R715	1-247-762-11	CARBON (KV-J51PF2S)	6.8K	5%	1/2W
R717	1-215-409-00	METAL (KV-J14P2S)	330	1%	1/4W
R718	1-249-409-11	CARBON (KV-J14P2S)	220	5%	1/4W
R719	1-215-480-00	METAL (KV-J51PF2S)	300K	1%	1/4W
R719	1-247-807-31	CARBON (KV-J14P2S)	100	5%	1/4W
R720	1-249-923-11	CARBON (KV-J51PF2S)	1K	5%	1/4W
R720	1-216-346-00	METAL OXIDE (KV-J14P2S)	0.56	5%	1W
R721	1-215-489-00	METAL (KV-J51PF2S)	680K	1%	1/4W
R722	1-249-923-11	CARBON (KV-J51PF2S)	1K	5%	1/4W
R722	1-215-411-00	METAL (KV-J14P2S)	390	1%	1/4W
R723	1-215-479-00	METAL (KV-J51PF2S)	270K	1%	1/4W
R724	1-249-923-11	CARBON (KV-J51PF2S)	1K	5%	1/4W
R725	1-249-419-11	CARBON (KV-J51PF2S)	1.5K	5%	1/4W
R725	1-249-409-11	CARBON (KV-J14P2S)	220	5%	1/4W
R726	1-249-419-11	CARBON (KV-J51PF2S)	1.5K	5%	1/4W
R726	1-215-479-00	METAL (KV-J14P2S)	270K	1%	1/4W
R727	1-249-419-11	CARBON (KV-J51PF2S)	1.5K	5%	1/4W
R727	1-215-487-00	METAL (KV-J14P2S)	560K	1%	1/4W
R728	1-249-407-11	CARBON (KV-J51PF2S)	150	5%	1/4W
R728	1-215-479-00	METAL (KV-J14P2S)	270K	1%	1/4W

REF. NO.	PART NO.	DESCRIPTION			REMARK
R729	1-249-408-11	CARBON (KV-J51PF2S)	180	5%	1/4W
R730	1-249-408-11	CARBON (KV-J51PF2S)	180	5%	1/4W
R730	1-247-807-31	CARBON (KV-J14P2S)	100	5%	1/4W
R731	1-249-399-11	CARBON (KV-J51PF2S)	33	5%	1/4W
R731	1-249-409-11	CARBON (KV-J14P2S)	220	5%	1/4W
R732	1-249-399-11	CARBON (KV-J51PF2S)	33	5%	1/4W
R732	1-215-411-00	METAL (KV-J14P2S)	390	1%	1/4W
R733	1-249-399-11	CARBON (KV-J51PF2S)	33	5%	1/4W
R733	1-247-791-91	CARBON (KV-J14P2S)	22	5%	1/4W
R734	1-247-739-11	CARBON (KV-J51PF2S)	100	5%	1/2W
R734	1-247-791-91	CARBON (KV-J14P2S)	22	5%	1/4W
R735	1-247-791-91	CARBON (KV-J14P2S)	22	5%	1/4W
R738	1-247-807-31	CARBON (KV-J51PF2S)	100	5%	1/4W
R739	1-247-807-31	CARBON (KV-J51PF2S)	100	5%	1/4W
R740	1-247-807-31	CARBON (KV-J51PF2S)	100	5%	1/4W
R749	1-249-424-11	CARBON (KV-J14P2S)	3.9K	5%	1/4W
R750	1-249-424-11	CARBON (KV-J14P2S)	3.9K	5%	1/4W
R751	1-249-424-11	CARBON (KV-J14P2S)	3.9K	5%	1/4W
R755	1-249-418-11	CARBON (KV-J51PF2S)	1.2K	5%	1/4W
R756	1-249-418-11	CARBON (KV-J51PF2S)	1.2K	5%	1/4W
R757	1-249-418-11	CARBON (KV-J51PF2S)	1.2K	5%	1/4W

	* A-1342-554-A	VM BOARD MOUNTED (KV-J51PF2S ONLY) *****			
	4-382-854-11	SCREW (M3X10), P, SW (+)			
		<CAPACITOR>			
C1722	1-102-115-00	CERAMIC	560PF	10.00%	50V
C1724	1-102-961-00	CERAMIC	27PF	5.00%	50V
C1751	1-136-153-00	MYLAR	0.01UF	5.00%	50V
C1761	1-161-830-00	CERAMIC	0.0047UF		500V
C1763	1-107-638-11	ELECT	33UF	20.00%	160V
C1764	1-126-933-11	ELECT	100UF	20.00%	16V
C1768	1-106-383-00	MYLAR	0.047UF	10.00%	200V
C1769	1-107-667-11	ELECT	2.2UF	20.00%	160V



REF. NO.	PART NO.	DESCRIPTION	REMARK		
C1770	1-104-999-11	MYLAR	0.1UF	10.00%	200V
C1771	1-126-964-11	ELECT	10UF	20.00%	50V
C1772	1-126-933-11	ELECT	100UF	20.00%	16V
C1773	1-106-383-00	MYLAR	0.047UF	10.00%	200V
C1775	1-126-933-11	ELECT	100UF	20.00%	16V
C1776	1-126-964-11	ELECT	10UF	20.00%	50V
C1778	1-130-471-00	MYLAR	0.001UF	5.00%	50V
C1779	1-130-471-00	MYLAR	0.001UF	5.00%	50V
C1780	1-126-964-11	ELECT	10UF	20.00%	50V
<CONNECTOR>					
CN1701*	1-564-511-61	PLUG, CONNECTOR 8P			
<DIODE>					
D1761	8-719-911-19	DIODE 1SS119-25TD			
D1763	8-719-911-19	DIODE 1SS119-25TD			
D1764	8-719-911-19	DIODE 1SS119-25TD			
D1767	8-719-110-88	DIODE RD39ES-T1B			
D1768	8-719-110-88	DIODE RD39ES-T1B			
<COIL>					
L1721	1-414-191-11	INDUCTOR	150UH		
L1722	1-408-621-31	INDUCTOR	330UH		
L1723	1-414-182-11	INDUCTOR	6.8UH		
L1761	1-410-478-11	INDUCTOR	47UH		
L1762	1-408-610-31	INDUCTOR	39UH		
<TRANSISTOR>					
Q1722	8-729-423-33	TRANSISTOR 2SC3311A-QRSTA			
Q1723	8-729-423-33	TRANSISTOR 2SC3311A-QRSTA			
Q1756	8-729-423-33	TRANSISTOR 2SC3311A-QRSTA			
Q1761	8-729-423-33	TRANSISTOR 2SC3311A-QRSTA			
Q1762	8-729-119-76	TRANSISTOR 2SA1309A-QTA			
Q1763	8-729-017-05	TRANSISTOR 2SA1837			
Q1764	8-729-423-33	TRANSISTOR 2SC3311A-QRSTA			
Q1765	8-729-017-06	TRANSISTOR 2SC4793			
Q1766	8-729-423-33	TRANSISTOR 2SC3311A-QRSTA			
Q1767	8-729-142-86	TRANSISTOR 2SC3733-T			
Q1777	8-729-326-11	TRANSISTOR 2SC2611			
<RESISTOR>					
R1721	1-249-414-11	CARBON	560	5%	1/4W
R1722	1-249-412-11	CARBON	390	5%	1/4W
R1723	1-249-407-11	CARBON	150	5%	1/4W
R1724	1-249-407-11	CARBON	150	5%	1/4W
R1725	1-249-412-11	CARBON	390	5%	1/4W
R1727	1-247-843-11	CARBON	3.3K	5%	1/4W
R1728	1-249-429-11	CARBON	10K	5%	1/4W
R1732	1-126-964-11	ELECT	10UF	20.00%	50V
R1736	1-249-419-11	CARBON	1.5K	5%	1/4W
R1753	1-249-430-11	CARBON	12K	5%	1/4W
R1762	1-247-815-91	CARBON	220	5%	1/4W
R1764	1-247-734-11	CARBON	39	5%	1/2W

REF. NO.	PART NO.	DESCRIPTION	REMARK		
R1765	1-249-414-11	CARBON	560	5%	1/4W
R1766	1-249-418-11	CARBON	1.2K	5%	1/4W
R1768	1-249-421-11	CARBON	2.2K	5%	1/4W
R1769	1-249-384-11	CARBON	1.8	5%	1/4W
R1770	1-249-435-11	CARBON	33K	5%	1/4W
R1772	1-249-432-11	CARBON	18K	5%	1/4W
R1774	1-215-912-11	METAL OXIDE	150	5%	3W
R1775	1-249-417-11	CARBON	1K	5%	1/4W
R1776	1-249-432-11	CARBON	18K	5%	1/4W
R1777	1-249-438-11	CARBON	56K	5%	1/4W
R1778	1-249-430-11	CARBON	12K	5%	1/4W
R1779	1-249-414-11	CARBON	560	5%	1/4W
R1780	1-249-418-11	CARBON	1.2K	5%	1/4W
R1781	1-249-410-11	CARBON	270	5%	1/4W
R1782	1-249-384-11	CARBON	1.8	5%	1/4W
R1784	1-247-807-31	CARBON	100	5%	1/4W
R1785	1-249-400-11	CARBON	39	5%	1/4W
R1786	1-249-435-11	CARBON	33K	5%	1/4W
R1787	1-249-428-11	CARBON	8.2K	5%	1/4W
R1788	1-249-419-11	CARBON	1.5K	5%	1/4W
R1789	1-249-413-11	CARBON	470	5%	1/4W
R1790	1-216-451-11	METAL OXIDE	120	5%	2W
R1791	1-249-411-11	CARBON	330	5%	1/4W
R1812	1-249-425-11	CARBON	4.7K	5%	1/4W
R1851	1-249-393-11	CARBON	10	5%	1/4W

MISCELLANEOUS

1-501-372-81	ANTENNA, TELESCOPIC
1-417-151-21	MATCHING TRANSFORMER, ANTENNA
△ 1-409-942-11	COIL, DEMAGNETIZATION (KV-J51PF2S)
△ 1-426-145-71	COIL, DEMAGNETIZATION (KV-J14P2S)
1-452-032-00	MAGNET, DISC

1-452-277-00	MAGNET, BMC
1-503-902-11	SPEAKER (15X6.5 CM) (KV-J51PF2S)
1-504-305-11	SPEAKER (5 X 12 CM) (KV-J14P2S)
△ 1-574-062-11	CORD, POWER (WITH CONNECTOR) 2.5A/250V
1-452-509-51	NECK ASSY, CRT (NA 308) (KV-J51PF2S ONLY)

8-451-280-81	DEFLECTION YOKE (Y21PXA2) (KV-J51PF2S)
8-451-418-21	DEFLECTION YOKE (Y21PXA2) (KV-J14P2S)

△ 8-738-778-05	PICTURE TUBE (A51JUH71X) (KV-J51PF2S)
△ 8-735-562-05	PICTURE TUBE (A34JBU70X) (KV-J14P2S)

ACCESSORIES AND PACKING MATERIALS

4-076-810-01	INDIVIDUAL CARTON (KV-J51PF2S)
4-076-794-01	INDIVIDUAL CARTON (KV-J14P2S)
4-076-795-01	CUSHION (UPPER) (ASSY) (KV-J14P2S)
4-076-797-01	CUSHION (RIGHT UPPER) (KV-J14P2S)
4-076-798-01	CUSHION (LEFT UPPER) (KV-J14P2S)

KV-J14P2S/J51PF2S
RM-869

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
	4-076-796-01	CUSHION (LOWER) (ASSY) (KV-J14P2S)			4-076-858-01	LEAFLET	
	4-076-799-01	CUSHION (RIGHT LOWER) (KV-J14P2S)			4-392-003-41	BAND, HOLD (KV-J51PF2S)	
	4-076-800-01	CUSHION (LEFT LOWER) (KV-J14P2S)			4-392-004-31	CLIP (KV-J51PF2S)	
	4-076-811-01	CUSHION (UPPER) (ASSY) (KV-J51PF2S)					
	4-076-813-01	CUSHION (RIGHT UPPER) (KV-J51PF2S)					
	4-076-814-01	CUSHION (LEFT UPPER) (KV-J51PF2S)					
	4-076-812-01	CUSHION (LOWER) (ASSY) (KV-J51PF2S)					
	4-076-815-01	CUSHION (RIGHT LOWER) (KV-J51PF2S)				REMOTE COMMANDER	
	4-076-816-01	CUSHION (LEFT LOWER) (KV-J51PF2S)				*****	
*	4-055-210-11	BAG, PROTECTION (KV-J51PF2S)					
					1-475-358-11	REMOTE COMMANDER (RM-869)	
*	4-392-859-01	BAG, PROTECTION (KV-J14P2S)			9-939-697-01	BATTERY COVER REMOTE COMMANDER (RM-869)	
	4-076-667-11	MANUAL, INSTRUCTION					

SONY® SERVICE MANUAL

BG-2S CHASSIS

<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>	<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>
KV-G14M2	RM-869	ME	SCC-U07C-A				
KV-G14M2S	RM-869	GE	SCC-U07C-A				
KV-G14P21S	RM-869	GE	SCC-U05L-A				
KV-G14P2S	RM-869	GE	SCC-U05H-A				
KV-G14Q2	RM-869	E	SCC-U03F-A				
KV-G14Q2	RM-869	ME	SCC-U07D-A				
KV-G14Q2S	RM-869	GE	SCC-U05J-A				
KV-G14S2	RM-869	OCE	SCC-U04B-A				

SUPPLEMENT-1

SUBJECT : PART CHANGE

File this supplement with the Service Manual.

SECTION 8 ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All resistors are in ohms
- F : nonflammable

CAPACITORS

- MF : μ F, PF : μ F

COILS

- MMH : mH, UH : μ H

(See page 51)

<u>MODEL</u>	<u>REF. NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>SERIAL NO</u>
KV-G14M2(ME)	C624	1-126-767-11	ELECT 1000MF 20% 16V	2010001 and later
KV-G14M2S(GE)	C624	1-126-767-11	ELECT 1000MF 20% 16V	1000501 and later
KV-G14P21S(GE)	C624	1-126-767-11	ELECT 1000MF 20% 16V	1001101 and later
KV-G14P2S(GE)	C624	1-126-767-11	ELECT 1000MF 20% 16V	1006001 and later
KV-G14Q2(E)	C624	1-126-767-11	ELECT 1000MF 20% 16V	1002551 and later
KV-G14Q2(ME)	C624	1-126-767-11	ELECT 1000MF 20% 16V	2036801 and later
KV-G14Q2S(GE)	C624	1-126-767-11	ELECT 1000MF 20% 16V	1007301 and later
KV-G14S2(OCE)	C624	1-126-767-11	ELECT 1000MF 20% 16V	1005451 and later



9-965-645-81

Sony Corporation
Display Company
TV Display Business Asia

English
98FG70227-1
Printed in Malaysia
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SONY[®] SERVICE MANUAL

BG-2S CHASSIS

<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>	<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>
KV-G14M2	RM-869	ME	SCC-U07C-A				
KV-G14M2S	RM-869	GE	SCC-U05G-A				
KV-G14P21S	RM-869	GE	SCC-U05L-A				
KV-G14P2S	RM-869	GE	SCC-U05H-A				
KV-G14Q2	RM-869	E	SCC-U03F-A				
KV-G14Q2	RM-869	ME	SCC-U07D-A				
KV-G14Q2S	RM-869	GE	SCC-U05J-A				
KV-G14S2	RM-869	OCE	SCC-U04B-A				

SUPPLEMENT-2

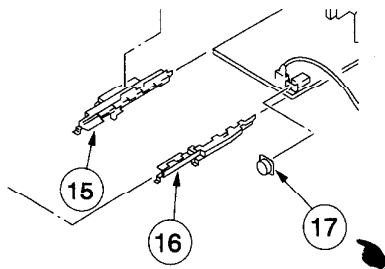
SUBJECT : PART CHANGE

File this correction with the Service Manual.

SECTION 7 EXPLODED VIEW

7-1. CHASSIS

(see page 47, 48)



<u>MODEL</u>	<u>REF. NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>SERIAL NO.</u>
KV-G14M2	17	4-056-186-03	BUTTON, POWER	2,018,801 and later
KV-G14M2S	17	4-056-186-03	BUTTON, POWER	1,002,207 and later
KV-G14P21S	17	4-056-186-03	BUTTON, POWER	1,002,151 and later
KV-G14P2S	17	4-056-186-03	BUTTON, POWER	1,012,601 and later
KV-G14Q2(E)	17	4-056-186-03	BUTTON, POWER	1,003,055 and later
KV-G14Q2(ME)	17	4-056-186-03	BUTTON, POWER	2,091,702 and later
KV-G14Q2S	17	4-056-186-03	BUTTON, POWER	1,013,661 and later
KV-G14S2	17	4-056-186-03	BUTTON, POWER	1,012,391 and later



9-965-645-82

Sony Corporation
SONY TV Industries (M) Sdn. Bhd.
TV Business of General Area

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SERVICE MANUAL

BG-2S CHASSIS

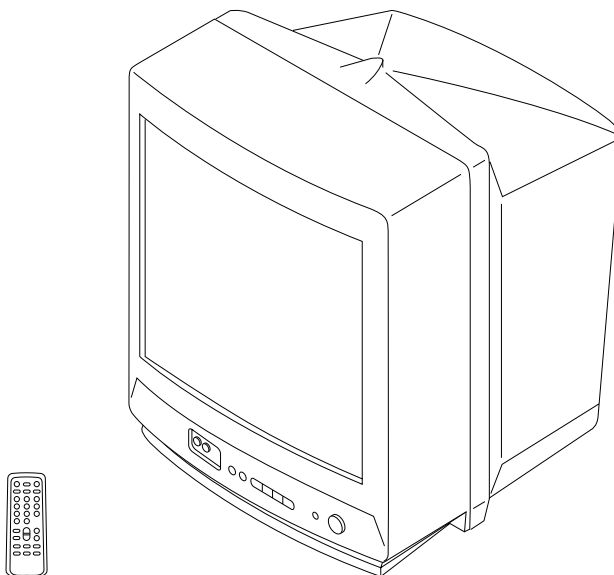
<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>	<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>
KV-G14M2	RM-869	ME	SCC-U07C-A				
KV-G14M2S	RM-869	GE	SCC-U05G-A				
KV-G14P21S	RM-869	GE	SCC-U50L-A				
KV-G14P2S	RM-869	GE	SCC-U50H-A				
KV-G14Q2	RM-869	E	SCC-U30F-A				
KV-G14Q2	RM-869	ME	SCC-U70D-A				
KV-G14Q2S	RM-869	GE	SCC-U05J-A				
KV-G14S2	RM-869	OCE	SCC-U04B-A				

SUPPLEMENT-3

SUBJECT : PART CHANGE

File this supplement with the Service Manual.

Note: The following changes only apply to model KV-G14Q2/SV-10367(ME)
The effected serial number is 7,000,001~



TRINITRON® COLOR TV
SONY®

SECTION 5

CIRCUIT ADJUSTMENTS

Adjustment Item Table

Item No.	Adj. Item	Data Range	Initial Data	Note for Different Data	Function	Device
00	HSF	00-3F	24		H Shift	TDA8375 (8A)
01	HSZ	00-3F	23		H Size	
02	PAP	00-3F	21		Pin Amplitude	
03	CNP	00-3F	29		Corner Pin	
04	TLT	00-3F	20		Tilt	
05	VSL	00-3F	20		V Slope	
06	VAP	00-3F	1D		V Amplitude	
07	SCR	00-3F	20		S Correction	
08	VSF	00-3F	20		V Shift	
09	RDR	00-3F	25		R Drive	
0A	GDR	00-3F	20		G Drive	
0B	BDR	00-3F	20		B Drive	
0C	FO	00-03	00		TIME CONSTANT	
0D	AGC	00-3F	06		AGC Take Over	
0E	VSW	0-1	0		Video Mute Switch	
0F	FOR	00-03	00		Forced Field Frequency	
10	DL	0-1	0		De-interlace	
11	POC	0-1	0		Fixed ø1 Synchro. Mode	
12	COR	0-1	0		Noise Coring	
13	VPX	00-FF	00		Extra Bits (see below)	
14	PMX	00-3F	27		Picture Maximum Data	
15	PMI	00-3F	05		Picture Maximum Data	
16	SBR	00-7F	4B		Sub Brightness	
17	SHU	00-0F	07		Sub Hue	
18	SSH	00-03	01		Sub Sharpness	
19	SCI	00-3F	1F		Sub Color Lower	
1A	SC2	00-3F	0B		Sub Color Higher	
1B	AIP	00-7F	40		Adjustment IF-PLL	
1C	VZM	00-3F	20		Vertical Zoom	
1D	WST	00-FF	15		W/G Stereo Threshold	MSP3410D (80)
1E	WBT	00-FF	EA		W/G Bilingual Threshold	
1F	WLL	00-FF	05		W/G Monaural Threshold	
20	ACG	0-1	1		ACG Switch auto/constant	
21	CDB	00-3F	28		ACG Gain at Constant Mode	
22	FGP	00-7F	1B		FM Prescale for B/G, I. DK	
23	FMP	00-7F	32		FM Prescale for M	
24	FMH	00-7F	36		FM Prescale for HDEV (non-M)	
25	FMM	00-7F	65		FM Prescale for HDEV (M)	
26	WGP	00-7F	2A		W/G Prescale	
27	NIP	00-7F	6D		NICAM Prescale	
28	SCP	00-7F	3B		SCART Input Prescale	
29	SCV	00-7F	2A		SCART Output Prescale	
2A	CRM	0-1	0		Carrier Muting on/off	
2B	ACO	0-1	1		Audio Clock-out on/off	
2C	WAC	00-0F	00		W/G Agreement Count	
2D	NFT	00-FF	50		Auto FM Switch Threshold	
2E	DLG	00-FF	30		W/G Search Delay	
2F	DLN	00-FF	20		NICAM Search Delay	
30	DLS	00-FF	10		Stereo Status Read Delay	
31	SMX	00-7F	73		DFP Volume Maximum	
32	ING	00-0F	00		Input Gain	TDA7438 (88)
33	VOM	00-3F	01		Volume Output Gain	
34	TXH	00-03	01		Teletext Horizontal Position	SAA5261(58)
35	BKP	00-3F	00		Picture Data at Blanking OFF	Other Control

Item No.	Adj. Item	Data Range	Initial Data	Note for Different Data	Function	Device
36	ODL	00–FF	10		Power on Delay	Other Control
37	OFR	00–0F	00		RGB Output Time (STBY OFF)	
38	OFR	00–0F	00		RGB Output Time (AC OFF)	
39	OSH	00–3F	0A		OSD H Position	
3A	DKS	0-1	1		D/K Stereo enable/disable	
3B	MUT	0-1	0		Muting on/off at No. Sync	
3C	ABL	0-1	0		Bright ABL Switch	
3D	SCM	0-1	0		SECAM Trap active/inactive	
3E	FBT	0-1	1		FBT L/S C/M stract/plain	
3F	OP0	00–FF	2F		Optional Flags 0 (see below)	
40	OP1	00–FF	0F		Optional Flags 1 (see below)	
41	OP2	00–FF	00		Optional Flags 2 (see below)	

NOTE

- Note for Different Data Those are the standard data values written on the microprocessor. Therefore, the data values of the modes are stored respectively in the memory.
In case of a device replacement, adjustment by rewriting the data value is necessary for some items.
- 50 50 Hz data
- 60 60 Hz data
- Note for Different Data listed on the adjustment item table are reference values, therefore it is different for every model.

Option Note

Item No. 13 VPX

Item	HCO	EVG	SBL	PRD	–	–	–	VID
Initial data	0	0	0	0	0	0	0	0

HCO EHT Tracking Mode 1 = on V and E–W. 0 = only on V
 EVG Enable Vertical Guard 1 = enable. 0 = disable
 SBL Service Blanking 1 = active. 0 = inactive
 PRD Over-voltage Protection Detection 1 = enable. 0 = disable
 VID Video Ident Mode 1 = not for ø1-loop 0 = for ø1-loop

Item No. 3E OP0

Item	No TOP	AV input		AVMUT	B/G	I	D/K	M
Initial data	0	1	0	0	1	1	1	1

AV Input 0 0 no AV input model 0 1 1 AV input model
 1 0 2 AV input model 1 1 2 AV input and RGB input model
 No TOP (for teletext model) 1 = only FLOF available. 0 = both FLOF and TOP available
 AV MUT 1 = AV multi is always muted if no signal input. 0 = not muted always
 Other optional bits are effective if set to 1.

Item No. 3F OP1

Item	No NICAM	–	HDEV	1 V-Curve	XTAL SEL		SECAM	2nd Lang.
Initial data	0	0	0	0	1	1	1	1

XTAL SEL 0 0 only 4.43 XTAL 0 1 only 3.58 XTAL
 1 0 (not used) 1 1 both 4.43 and 3.58 XTAL
 1 V-Curve (for monaural model)
 1 = using common volume curve for every mode and every TV system
 0 = another volume curve available for video mode and M system
 HDEV 1 = High Deviation Mode switch available. 0 = not available
 Other optional bits are effective if set to 1.

Item No. 40 OP2

Item	–	–	No. Bal	TV Out	Hotel	VM	D.B.F.B.	Thai Bil.
Initial data	0	0	0	0	0	0	0	0

No Bal. (for AV stereo model) 1 = no balance in analog select items. 0 = balance included
 Other optional bits are effective if set to 1.
 Hotel TV mode should be switched with remote commander from STBY condition as below.
 Hotel TV on : push “display”. “8”. “vol +” and “power” sequentially
 Hotel TV off : push “display”. “8”. “vol –” and “power” sequentially

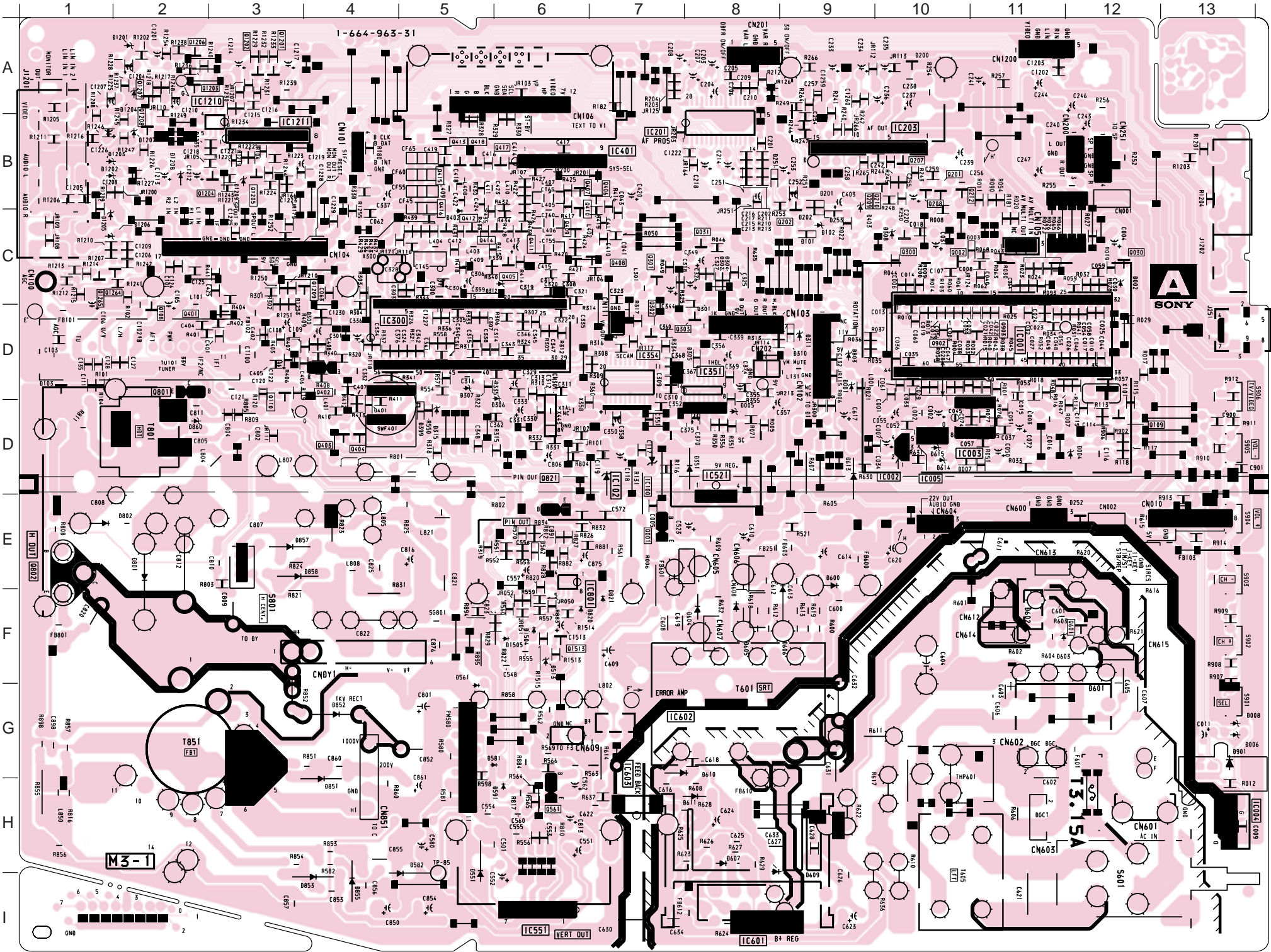
A TUNER, IF, Y/C JUNGLE, SECAM DECODER, H/V OUT, MEMORY,
SYSTEM CONTROLLER, AUDIO/VIDEO IN/OUT, POWER SUPPLY

A BOARD

IC	Q902 D-10				D615 E-10			
	Q903 D-11				D801 F-2			
IC001	D-11	Q1201	A-3	D802	F-2	Q1202	A-3	D803
IC002	E-10	Q1203	A-2	D820	G-6	Q1204	B-2	D821
IC003	E-10	Q1205	B-3	D851	I-4	Q1206	A-2	D852
IC004	I-13	Q1207	A-2	D853	J-4	Q1208	B-2	D855
IC005	E-10	Q1209	C-4	D857	F-3	Q1209	C-4	D858
IC100	E-7	Q1264	C-1	D860	E-2	Q1265	C-1	D901
IC102	E-7	Q1513	G-6	D1201	A-2			D1202
IC201	B-7			D1203	B-1			D1204
IC203	B-10			D1205	C-1			D1206
IC300	D-4			D1207	B-2			D1208
IC351	D-8			D1209	B-3			D1504
IC354	D-7			D1505	G-6			
IC401	B-7							
IC521	E-8							
IC551	J-6							
IC601	J-8							
IC602	H-7							
IC603	H-7							
IC801	F-6							
IC1210	A-2							
IC1211	B-3							
TRANSISTOR	D001 D-9				D002 C-12			
	D003 C-10				D004 E-12			
Q001	F-7	D005	E-8	D006	H-13	D008	H-13	D101
Q002	C-10	D101	C-9	D102	C-9	D103	D-1	D201
Q030	C-12	D201	B-8	D251	C-9	D252	F-12	D253
Q031	C-8	D252	F-12	D253	C-9	D300	D-4	D301
Q108	D-2	D300	D-4	D301	D-8	D302	C-8	D303
Q109	E-12	D302	C-8	D303	C-8	D304	C-8	D305
Q110	E-3	D304	C-8	D305	D-8	D306	E-6	D307
Q201	B-10	D306	E-6	D307	D-5	D308	C-10	D310
Q202	C-9	D308	C-10	D310	D-9	D311	D-9	D312
Q207	B-10	D311	D-9	D312	D-6	D315	E-5	D351
Q208	B-10	D315	E-5	D351	E-8	D399	E-5	D401
Q209	B-9	D399	E-5	D401	E-4	D402	C-5	D403
Q210	B-10	D402	C-5	D403	C-9	D513	G-6	D551
Q212	B-11	D403	C-9	D513	G-6	D551	I-5	D561
Q300	C-10	D551	I-5	D561	G-5	D562	F-6	D581
Q301	C-7	D562	F-6	D581	H-5	D582	I-5	D591
Q302	D-7	D582	I-5	D591	I-6	D600	F-9	D601
Q303	D-8	D600	F-9	D601	H-12	D602	G-11	D603
Q401	D-3	D602	G-11	D603	G-11	D604	G-8	D605
Q402	D-4	D604	G-8	D605	G-8	D606	G-9	D607
Q403	E-4	D606	G-9	D607	I-8	D609	I-9	D610
Q404	E-4	D607	I-8	D610	H-8	D611	I-8	D613
Q405	C-6	D611	I-8	D613	E-9	D614	E-10	
Q406	B-7	D613	E-9	D614	E-10			
Q407	B-6							
Q408	C-7							
Q409	C-6							
Q410	C-6							
Q411	C-6							
Q412	C-5							
Q413	B-5							
Q414	C-5							
Q415	B-5							
Q416	C-5							
Q417	B-6							
Q418	B-5							
Q561	I-6							
Q601	G-12							
Q801	D-2							
Q802	F-1							
Q821	E-6							

PRINTED WIRING BOARD

- A BOARD -



SECTION 7
EXPLODED VIEW

KV-G14Q2
RM-869

KV-G14Q2
RM-869

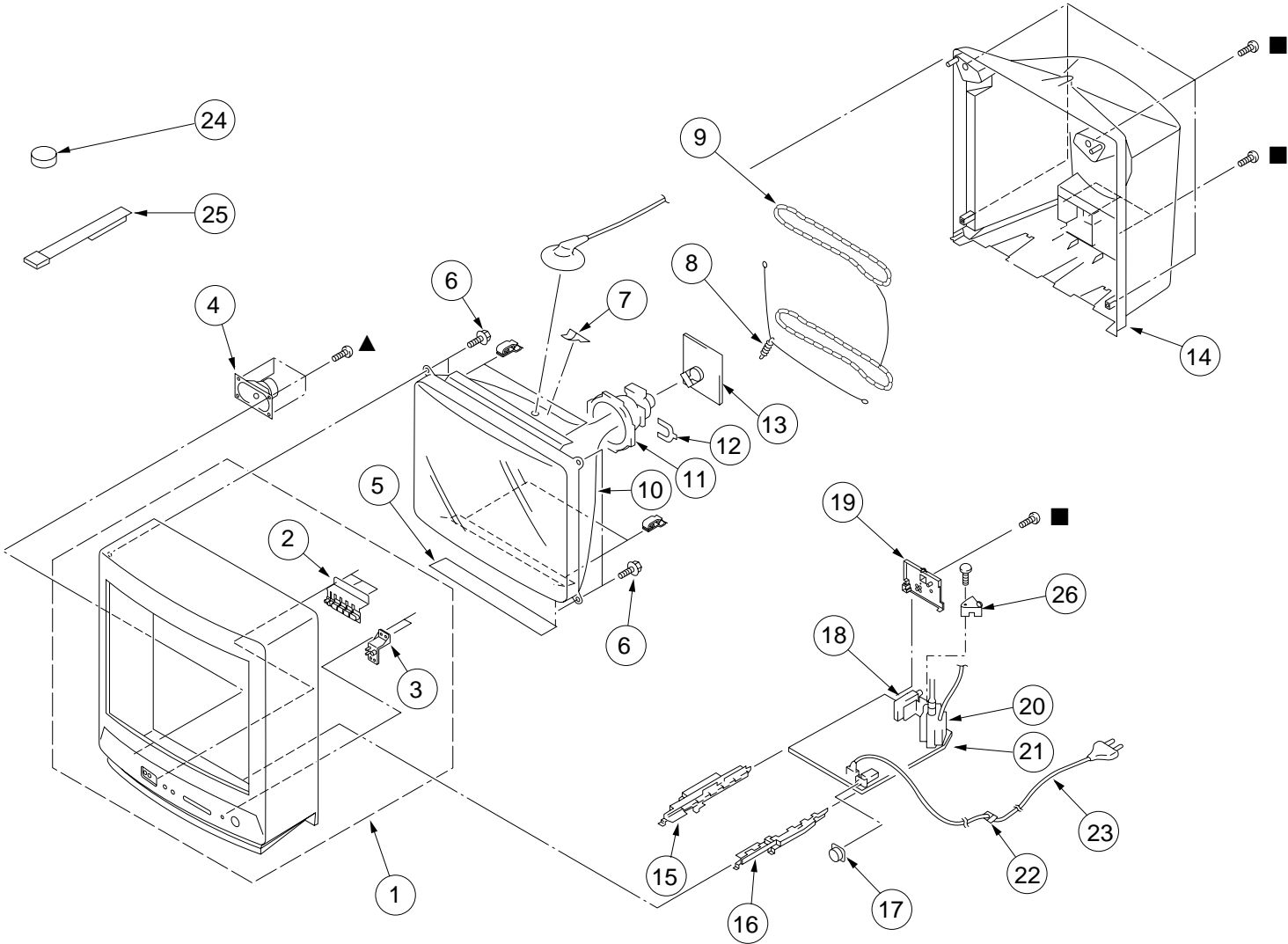
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

7-1. CHASSIS

- : BVTP4 × 16 7-685-663-71
▲ : BVTP3 × 12 7-685-648-71



REF.NO.	PART NO.	DESCRIPTION	REMARK
1	X-4036-472-1	BEZNET ASSY	
2	4-059-721-01	BUTTON, MULTI	
3	4-059-714-01	PLATE, GUIDE LIGHT	
4	1-505-547-11	SPEAKER (5X9CM)	
5	4-372-556-41	SHEET, BLOTTING	
6	4-365-808-41	SCREW (5), TAPPING	
7	4-064-818-01	SPACER, DY	
8	4-369-318-41	SPRING, TENSION	
9	▲ 1-426-145-41	COIL, DEGAUSSING	
10	▲ 8-735-562-05	PICTURE TUBE (A34JBU70X)	
11	8-451-418-51	DEFLECTION YOKE (Y14NDA2)	
12	1-452-277-00	MAGNET, BMC	
13	* A-1331-704-A	C BOARD MOUNTED	
14	▲ 4-059-718-01	COVER, REAR	
15	* 4-059-713-01	RAIL (L), GUIDE	
16	* 4-059-712-01	RAIL (R), GUIDE	
17	4-059-708-02	BUTTON, POWER	
18	8-598-323-41	TUNER, VSS BT-AG401	
19	4-059-716-01	BRACKET, TERMINAL BOARD	
20	▲ 1-453-249-11	TRANSFORMER ASSY, FLYBACK (NX-1733)	
21	* A-1299-065-A	A BOARD COMPLETE	
22	4-022-115-31	HOLDER, AC CORD	
23	▲ 1-574-062-11	CORD, POWER (WITH CONNECTOR) 2.5A/250V	
24	1-452-032-00	MAGNET, DISC	
25	4-051-736-41	PIECE A(90), CONV, CORRECT	
26	4-059-707-02	HOLDER, FBT	

KV-G14Q2
RM-869

A

- MMH : μH , UH : μH

REF.NO.	PART NO.	DESCRIPTION			REMARK
C376	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C402	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C403	1-126-965-11	ELECT	22MF	20%	50V
C405	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C406	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C407	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C408	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C410	1-163-103-00	CERAMIC CHIP	27PF	5%	50V
C411	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C413	1-104-665-11	ELECT	100MF	20%	16V
C415	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C423	1-163-129-00	CERAMIC CHIP	330PF	5%	50V
C501	1-102-228-00	CERAMIC	470PF	10%	500V
C523	1-104-665-11	ELECT	100MF	20%	16V
C548	1-106-220-00	MYLAR	0.1MF	10%	100V
C551	1-126-968-11	ELECT	100MF	20%	35V
C552	1-126-968-11	ELECT	100MF	20%	35V
C553	1-163-019-00	CERAMIC CHIP	0.0068MF	10%	50V
C554	1-102-244-00	CERAMIC	220PF	10%	500V
C555	1-101-804-00	CERAMIC	10PF	5%	500V
C562	1-104-665-11	ELECT	100MF	20%	16V
C603	1-161-830-00	CERAMIC	0.0047MF	99%	500V
C604	1-107-414-11	ELECT(BLOCK)	220MF	20%	400V
C605	1-161-830-00	CERAMIC	0.0047MF	99%	500V
C606	1-161-830-00	CERAMIC	0.0047MF	99%	500V
C607	1-161-830-00	CERAMIC	0.0047MF	99%	500V
C608	1-104-332-11	CERAMIC	470PF	10%	2KV
C609	1-123-024-21	ELECT	33MF		160V
C611	△ 1-113-900-11	CERAMIC	470PF	10%	250V
C613	1-102-824-00	CERAMIC	470PF	5%	50V
C614	1-126-943-11	ELECT	2200MF	20%	25V
C616	1-102-228-00	CERAMIC	470PF	10%	500V
C617	1-104-666-11	ELECT	220MF	20%	25V
C618	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C619	1-162-116-00	CERAMIC	680PF	10%	2KV
C621	△ 1-104-705-11	FILM	0.1MF	20%	250V
C622	1-106-383-00	MYLAR	0.047MF	10%	200V
C623	1-126-934-11	ELECT	220MF	20%	16V
C624	1-126-942-61	ELECT	1000MF	20%	16V
C625	1-102-074-00	CERAMIC	0.001MF	10%	50V
C627	1-162-116-00	CERAMIC	680PF	10%	2KV
C628	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C630	△ 1-113-900-11	CERAMIC	470PF	10%	250V
C631	1-161-830-00	CERAMIC	0.0047MF	99%	500V
C632	△ 1-113-900-11	CERAMIC	470PF	10%	250V
C633	1-161-754-00	CERAMIC	0.001MF	10%	3KV
C634	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C801	1-123-024-21	ELECT	33MF		160V
C802	1-107-364-11	MYLAR	0.01MF	10%	200V
C804	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C805	1-102-244-00	CERAMIC	220PF	10%	500V
C806	1-126-960-11	ELECT	1MF	20%	50V
C809	1-162-115-00	CERAMIC	330PF	10%	2KV
C810	1-106-365-00	MYLAR	0.0082MF	10%	200V
C811	1-101-821-00	CERAMIC	0.0022MF		500V
C812	1-136-075-00	FILM	0.008MF	3%	2KV
C816	1-107-636-11	ELECT	10MF	20%	160V
C820	1-162-116-00	CERAMIC	680PF	10%	2KV

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REF.NO.	PART NO.	DESCRIPTION	REMARK
C821	1-106-381-12	MYLAR	0.039MF 99% 200V
C822	1-136-121-00	FILM	0.27MF 5% 200V
C823	1-163-021-91	CERAMIC CHIP	0.01MF 10% 50V
C825	1-107-364-11	MYLAR	0.01MF 10% 200V
C850	1-124-480-11	ELECT	470MF 20% 25V
C852	1-104-574-11	CERAMIC	0.0047MF 10% 2KV
C853	1-162-318-11	CERAMIC	0.001MF 10% 500V
C854	1-124-480-11	ELECT	470MF 20% 25V
C856	1-162-318-11	CERAMIC	0.001MF 10% 500V
C857	1-130-493-00	MYLAR	0.068MF 5% 50V
C860	1-102-228-00	CERAMIC	470PF 10% 500V
C861	1-107-654-11	ELECT	33MF 20% 250V
C876	1-107-369-11	MYLAR	0.068MF 10% 100V
C898	1-106-379-12	MYLAR	0.033MF 10% 100V
C900	1-163-133-00	CERAMIC CHIP	470PF 5% 50V
C901	1-163-133-00	CERAMIC CHIP	470PF 5% 50V
C1201	1-104-665-11	ELECT	100MF 20% 16V
C1202	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V
C1204	1-104-665-11	ELECT	100MF 20% 16V
C1205	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V
C1210	1-104-665-11	ELECT	100MF 20% 16V
C1213	1-126-960-11	ELECT	1MF 20% 50V
C1214	1-104-665-11	ELECT	100MF 20% 16V
C1217	1-104-665-11	ELECT	100MF 20% 16V
C1218	1-163-123-00	CERAMIC CHIP	180PF 5% 50V
C1219	1-104-665-11	ELECT	100MF 20% 16V
C1221	1-164-005-11	CERAMIC CHIP	0.47MF 25V
C1225	1-164-005-11	CERAMIC CHIP	0.47MF 25V
C1226	1-126-934-11	ELECT	220MF 20% 16V
C1228	1-164-346-11	CERAMIC CHIP	1MF 16V
C1229	1-164-005-11	CERAMIC CHIP	0.47MF 25V
C1230	1-164-004-11	CERAMIC CHIP	0.1MF 10% 25V
C1260	1-163-019-00	CERAMIC CHIP	0.0068MF 10% 50V
C1513	1-126-968-11	ELECT	100MF 20% 50V
		<FILTER>	
CF55	1-567-099-00	FILTER, CERAMIC	
		<CONNECTOR>	
CN100 *	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
CN101 *	1-508-797-00	PIN, CONNECTOR 4P	
CN103 *	1-564-509-11	PLUG, CONNECTOR 6P	
CN251 *	1-564-506-11	PLUG, CONNECTOR 3P	
CN601 *	1-580-843-11	PIN, CONNECTOR (POWER)	
CN602 *	1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P	
CN851 *	1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P	
		<TRIMMER>	
CT55	1-404-801-11	TRAP, CERAMIC	
		<DIODE>	
D001	8-719-109-81	DIODE RD4.7ESB2	
D002	8-719-911-19	DIODE 1SS119-25	

REF.NO.	PART NO.	DESCRIPTION	REMARK
D003	8-719-041-97	DIODE MA113-(TX)	
D005	8-719-109-84	DIODE RD5.1ESB1	
D008	8-719-109-89	DIODE RD5.6ESB2	
D103	8-719-914-42	DIODE DA204K	
D201	8-719-041-97	DIODE MA113-(TX)	
D202	1-216-295-91	SHORT	0
D251	8-719-041-97	DIODE MA113-(TX)	
D252	8-719-914-42	DIODE DA204K	
D253	8-719-041-97	DIODE MA113-(TX)	
D300	8-719-041-97	DIODE MA113-(TX)	
D301	8-719-041-97	DIODE MA113-(TX)	
D302	8-719-041-97	DIODE MA113-(TX)	
D304	8-719-041-97	DIODE MA113-(TX)	
D305	8-719-041-97	DIODE MA113-(TX)	
D306	8-719-911-19	DIODE 1SS119-25	
D307	8-719-911-19	DIODE 1SS119-25	
D308	8-719-109-54	DIODE RD2.2ESB2	
D310	8-719-041-97	DIODE MA113-(TX)	
D311	8-719-109-68	DIODE RD3.6ESB1	
D312	8-719-110-08	DIODE RD8.2ESB2	
D315	8-719-121-26	DIODE RD9.1ESL2	
D351	8-719-908-03	DIODE GP08D	
D399	8-719-977-22	DIODE DTZ9.1	
D403	8-719-911-19	DIODE 1SS119-25	
D513	8-719-109-84	DIODE RD5.1ESB1	
D551	8-719-908-03	DIODE GP08D	
D561	8-719-911-19	DIODE 1SS119-25	
D591	8-719-911-19	DIODE 1SS119-25	
D604	8-719-301-64	DIODE RU4DS	
D606	8-719-510-73	DIODE S3L20UF4	
D607	8-719-510-46	DIODE D1NL20	
D609	8-719-510-46	DIODE D1NL20	
D610	8-719-510-46	DIODE D1NL20	
D611	8-719-510-46	DIODE D1NL20	
D801	8-719-945-80	DIODE ERC06-15S	
D851	8-719-302-43	DIODE EL1Z	
D852	8-719-028-72	DIODE RGP02-17EL-6433	
D853	8-719-302-43	DIODE EL1Z	
D855	8-719-302-43	DIODE EL1Z	
D857	8-719-908-03	DIODE GP08D	
D858	8-719-908-03	DIODE GP08D	
D860	8-719-911-19	DIODE 1SS119-25	
D901	1-810-039-11	LED UNIT	
D1201	8-719-121-26	DIODE RD9.1ESL2	
D1202	8-719-121-26	DIODE RD9.1ESL2	
D1207	8-719-121-26	DIODE RD9.1ESL2	
D1208	8-719-121-26	DIODE RD9.1ESL2	
D1504	8-719-911-19	DIODE 1SS119-25	
D1505	8-719-109-81	DIODE RD4.7ESB2	
		<FUSE>	
F601	\triangle 1-532-237-00	FUSE, TIME-LAG (BET) 3.15A/250V	



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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<FERRITE BEAD>				L101	1-410-470-11	INDUCTOR	10UH
FB101	1-410-397-21	FERRITE	1.1UH	L301	1-408-602-31	INDUCTOR	8.2UH
FB102	1-410-397-21	FERRITE	1.1UH	L401	1-410-498-11	INDUCTOR	1.2UH
FB103	1-410-397-21	FERRITE	1.1UH	L402	1-410-510-11	INDUCTOR	12UH
FB601	1-410-397-21	FERRITE	1.1UH	L406	1-410-507-11	INDUCTOR	6.8UH
FB603	1-410-397-21	FERRITE	1.1UH	L410	1-410-501-11	INDUCTOR	2.2UH
FB610	1-410-397-21	FERRITE	1.1UH	L802	1-412-527-11	INDUCTOR	15UH
FB612	1-410-397-21	FERRITE	1.1UH	L805	1-460-046-11	COIL, HORIZONTAL LINEARITY	
<IC>				L807	1-459-348-51	COIL, VAR. FERRITE (HWC)	
IC001	8-752-891-61	IC CXP85220A-060S		L808	1-412-553-11	INDUCTOR	3.3MMH
IC002	8-759-805-37	IC L78LR05D-MA		L821	1-406-677-11	INDUCTOR	10MMH
IC003	8-759-093-95	IC CAT24C04P		L850	1-408-947-00	INDUCTOR	2.2MMH
IC004	8-742-041-12	HYB IC SBX1981-11		<TRANSISTOR>			
IC100	8-759-157-40	IC UPC574J		Q030	8-729-422-27	TRANSISTOR 2SD601A-Q	
IC203	8-759-339-60	IC TA8248K		Q108	8-729-422-27	TRANSISTOR 2SD601A-Q	
IC300	8-759-365-25	IC TDA8374A		Q109	8-729-422-27	TRANSISTOR 2SD601A-Q	
IC351	8-759-565-20	IC TDA4665T/V5-118		Q110	8-729-422-27	TRANSISTOR 2SD601A-Q	
IC354	8-759-251-56	IC TDA8395T		Q202	8-729-216-22	TRANSISTOR 2SA1162-G	
IC521	8-759-195-63	IC PQ09RE11		Q207	8-729-216-22	TRANSISTOR 2SA1162-G	
IC551	8-759-801-98	IC LA7830		Q208	8-729-421-19	TRANSISTOR UN2213	
IC601	8-749-014-00	IC STR-S6707N		Q210	8-729-424-67	TRANSISTOR UN2216	
IC602	8-749-921-89	IC SE115N		Q301	8-729-421-22	TRANSISTOR UN2211	
IC603 Δ	8-749-010-64	PHOTO COUPLER PC123F2		Q303	8-729-422-27	TRANSISTOR 2SD601A-Q	
IC801	8-759-100-96	IC UPC4558G2		Q402	8-729-922-66	TRANSISTOR 2SC2410SN	
IC1210	8-759-100-96	IC UPC4558G2		Q406	8-729-216-22	TRANSISTOR 2SA1162-G	
IC1211	8-759-711-23	IC NJM2234L		Q408	8-729-422-27	TRANSISTOR 2SD601A-Q	
<JACK>				Q409	8-729-216-22	TRANSISTOR 2SA1162-G	
J251	1-770-785-11	JACK		Q414	8-729-422-27	TRANSISTOR 2SD601A-Q	
J1201	1-779-849-11	JACK BLOCK, PIN 4P		Q561	8-729-200-17	TRANSISTOR 2SA1091-O	
J1202	1-779-205-11	JACK, PIN 2P		Q801	8-729-140-50	TRANSISTOR 2SC3209LK	
<CHIP CONDUCTOR>				Q802	8-729-810-49	TRANSISTOR 2SD1877S-SONY-CA	
JR050	1-216-295-91	SHORT	0	Q902	8-729-421-19	TRANSISTOR UN2213	
JR052	1-216-295-91	SHORT	0	Q903	8-729-421-19	TRANSISTOR UN2213	
JR101	1-216-295-91	SHORT	0	Q1201	8-729-422-27	TRANSISTOR 2SD601A-Q	
JR107	1-216-295-91	SHORT	0	Q1202	8-729-422-27	TRANSISTOR 2SD601A-Q	
JR111	1-216-295-91	SHORT	0	Q1203	8-729-422-27	TRANSISTOR 2SD601A-Q	
JR112	8-719-041-97	DIODE MA113-(TX)		Q1204	8-729-216-22	TRANSISTOR 2SA1162-G	
JR113	1-216-295-91	SHORT	0	Q1207	8-729-422-27	TRANSISTOR 2SD601A-Q	
JR114	1-208-291-11	RES,CHIP	4.7M 5% 1/10W	Q1208	8-729-422-27	TRANSISTOR 2SD601A-Q	
JR116	1-216-295-91	SHORT	0	Q1209	8-729-422-27	TRANSISTOR 2SD601A-Q	
JR117	1-216-295-91	SHORT	0	Q1265	8-729-424-67	TRANSISTOR UN2216	
JR118	1-216-295-91	SHORT	0	Q1513	8-729-422-27	TRANSISTOR 2SD601A-Q	
JR124	1-216-295-91	SHORT	0	<RESISTOR>			
JR125	1-216-295-91	SHORT	0	R65	1-216-033-00	RES,CHIP	220 5% 1/10W
JR126	1-216-295-91	SHORT	0	R001	1-216-065-91	RES,CHIP	4.7K 5% 1/10W
JR251	1-216-295-91	SHORT	0	R002	1-216-065-91	RES,CHIP	4.7K 5% 1/10W
<COIL>				R003	1-216-065-91	RES,CHIP	4.7K 5% 1/10W
L001	1-408-397-00	INDUCTOR	1UH	R004	1-216-065-91	RES,CHIP	4.7K 5% 1/10W
L002	1-410-509-11	INDUCTOR	10UH	R007	1-216-073-00	RES,CHIP	10K 5% 1/10W
L003	1-408-605-31	INDUCTOR	15UH	R008	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
				R010	1-216-049-91	RES,CHIP	1K 5% 1/10W
				R012	1-216-017-91	RES,CHIP	47 5% 1/10W
				R013	1-216-049-91	RES,CHIP	1K 5% 1/10W



REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK		
R015	1-216-049-91	RES,CHIP	1K	5%	1/10W	R248	1-216-071-00	RES,CHIP	8.2K	5%	1/10W
R016	1-216-049-91	RES,CHIP	1K	5%	1/10W	R250	1-216-071-00	RES,CHIP	8.2K	5%	1/10W
R017	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R251	1-216-049-91	RES,CHIP	1K	5%	1/10W
R018	1-216-033-00	RES,CHIP	220	5%	1/10W	R252	1-247-815-91	CARBON	220	5%	1/4W
R019	1-216-101-00	RES,CHIP	150K	5%	1/10W	R253	1-216-073-00	RES,CHIP	10K	5%	1/10W
R021	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R254	1-249-389-11	CARBON	4.7	5%	1/4W
R022	1-216-295-91	SHORT	0			R257	8-719-041-97	DIODE MA113-(TX)			
R025	1-216-295-91	SHORT	0			R265	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R026	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R266	1-216-073-00	RES,CHIP	10K	5%	1/10W
R027	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R301	1-216-073-00	RES,CHIP	10K	5%	1/10W
R028	1-216-025-91	RES,CHIP	100	5%	1/10W	R302	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
R029	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R303	1-216-025-91	RES,CHIP	100	5%	1/10W
R031	1-216-049-91	RES,CHIP	1K	5%	1/10W	R304	1-216-025-91	RES,CHIP	100	5%	1/10W
R033	1-216-049-91	RES,CHIP	1K	5%	1/10W	R305	1-216-033-00	RES,CHIP	220	5%	1/10W
R035	1-216-049-91	RES,CHIP	1K	5%	1/10W	R306	1-216-033-00	RES,CHIP	220	5%	1/10W
R036	1-216-049-91	RES,CHIP	1K	5%	1/10W	R307	1-216-033-00	RES,CHIP	220	5%	1/10W
R038	1-216-033-00	RES,CHIP	220	5%	1/10W	R308	1-216-033-00	RES,CHIP	220	5%	1/10W
R040	1-216-033-00	RES,CHIP	220	5%	1/10W	R309	1-216-033-00	RES,CHIP	220	5%	1/10W
R041	1-216-025-91	RES,CHIP	100	5%	1/10W	R310	1-216-097-91	RES,CHIP	100K	5%	1/10W
R042	1-216-039-00	RES,CHIP	390	5%	1/10W	R311	1-216-075-00	RES,CHIP	12K	5%	1/10W
R045	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R312	1-216-025-91	RES,CHIP	100	5%	1/10W
R047	1-216-025-91	RES,CHIP	100	5%	1/10W	R313	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R048	1-216-025-91	RES,CHIP	100	5%	1/10W	R314	1-216-025-91	RES,CHIP	100	5%	1/10W
R053	1-216-295-91	SHORT	0			R315	1-216-295-91	SHORT	0		
R054	1-216-073-00	RES,CHIP	10K	5%	1/10W	R318	1-216-097-91	RES,CHIP	100K	5%	1/10W
R057	1-216-049-91	RES,CHIP	1K	5%	1/10W	R319	1-216-123-11	RES,CHIP	1.2M	5%	1/10W
R060	1-216-037-00	RES,CHIP	330	5%	1/10W	R320	1-216-083-00	RES,CHIP	27K	5%	1/10W
R061	1-216-049-91	RES,CHIP	1K	5%	1/10W	R321	1-216-689-11	METAL CHIP	39K	0.50%	1/10W
R062	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R322	1-216-083-00	RES,CHIP	27K	5%	1/10W
R063	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R324	1-216-133-00	RES,CHIP	3.3M	5%	1/10W
R066	1-216-033-00	RES,CHIP	220	5%	1/10W	R325	1-216-295-91	SHORT	0		
R068	1-216-025-91	RES,CHIP	100	5%	1/10W	R326	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
R071	1-216-037-00	RES,CHIP	330	5%	1/10W	R327	1-216-295-91	SHORT	0		
R072	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	R328	1-216-295-91	SHORT	0		
R076	1-216-025-91	RES,CHIP	100	5%	1/10W	R329	1-216-295-91	SHORT	0		
R077	1-216-025-91	RES,CHIP	100	5%	1/10W	R330	1-216-043-91	RES,CHIP	560	5%	1/10W
R090	1-216-073-00	RES,CHIP	10K	5%	1/10W	R331	1-216-117-00	RES,CHIP	680K	5%	1/10W
R101	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R332	1-216-033-00	RES,CHIP	220	5%	1/10W
R102	1-216-049-91	RES,CHIP	1K	5%	1/10W	R333	1-216-077-91	RES,CHIP	15K	5%	1/10W
R113	1-216-081-00	RES,CHIP	22K	5%	1/10W	R335	1-216-073-00	RES,CHIP	10K	5%	1/10W
R114	1-216-041-00	RES,CHIP	470	5%	1/10W	R336	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R115	1-216-081-00	RES,CHIP	22K	5%	1/10W	R338	1-216-295-91	SHORT	0		
R116	1-216-081-00	RES,CHIP	22K	5%	1/10W	R339	1-216-036-00	RES,CHIP	300	5%	1/10W
R117	1-216-081-00	RES,CHIP	22K	5%	1/10W	R340	1-216-035-00	RES,CHIP	270	5%	1/10W
R118	1-216-081-00	RES,CHIP	22K	5%	1/10W	R341	1-216-049-91	RES,CHIP	1K	5%	1/10W
R119	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	R351	1-216-001-00	RES,CHIP	10	5%	1/10W
R120	1-216-109-00	RES,CHIP	330K	5%	1/10W	R355	1-216-001-00	RES,CHIP	10	5%	1/10W
R131	1-216-464-11	METAL OXIDE	18K	5%	2W F	R356	1-216-049-91	RES,CHIP	1K	5%	1/10W
R180	1-216-033-00	RES,CHIP	220	5%	1/10W	R360	1-208-291-11	RES,CHIP	4.7M	5%	1/10W
R181	1-216-033-00	RES,CHIP	220	5%	1/10W	R403	1-216-021-00	RES,CHIP	68	5%	1/10W
R182	1-216-033-00	RES,CHIP	220	5%	1/10W	R406	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R240	1-216-043-91	RES,CHIP	560	5%	1/10W	R407	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
R241	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	R408	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R242	1-216-037-00	RES,CHIP	330	5%	1/10W	R409	1-216-025-91	RES,CHIP	100	5%	1/10W
R243	1-216-073-00	RES,CHIP	10K	5%	1/10W	R414	1-216-041-00	RES,CHIP	470	5%	1/10W
R244	1-216-073-00	RES,CHIP	10K	5%	1/10W	R416	1-216-033-00	RES,CHIP	220	5%	1/10W
R245	1-216-067-00	RES,CHIP	5.6K	5%	1/10W	R419	1-216-049-91	RES,CHIP	1K	5%	1/10W
						R420	1-216-039-00	RES,CHIP	390	5%	1/10W



The components identified by shading
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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R421	1-216-033-00	RES,CHIP	220 5% 1/10W	R851	1-249-382-11	CARBON	1.2 5% 1/4W F
R424	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R852	1-249-417-11	CARBON	1K 5% 1/4W F
R425	1-216-039-00	RES,CHIP	390 5% 1/10W	R853	1-249-377-11	CARBON	0.47 5% 1/4W F
R426	1-216-029-00	RES,CHIP	150 5% 1/10W	R854	1-249-377-11	CARBON	0.47 5% 1/4W F
R429	1-216-031-00	RES,CHIP	180 5% 1/10W	R855	1-260-107-11	CARBON	4.7K 5% 1/2W
R433	1-216-081-00	RES,CHIP	22K 5% 1/10W	R856	1-249-429-11	CARBON	10K 5% 1/4W
R434	1-216-041-00	RES,CHIP	470 5% 1/10W	R857	1-249-440-11	CARBON	82K 5% 1/4W
R440	1-216-029-00	RES,CHIP	150 5% 1/10W	R858	1-216-370-11	METAL OXIDE	1.2 5% 2W F
R521	1-216-049-91	RES,CHIP	1K 5% 1/10W	R860	1-247-887-00	CARBON	220K 5% 1/4W
R555	1-249-427-11	CARBON	6.8K 5% 1/4W	R883	1-216-696-11	METAL CHIP	75K 0.50% 1/10W
R556	1-216-049-91	RES,CHIP	1K 5% 1/10W	R895	1-216-349-00	METAL OXIDE	1 5% 1W F
R557	1-216-055-00	RES,CHIP	1.8K 5% 1/10W	R898	1-249-421-11	CARBON	2.2K 5% 1/4W
R560	1-216-295-91	SHORT	0	R902	1-216-065-91	RES,CHIP	4.7K 5% 1/10W
R561	1-249-421-11	CARBON	2.2K 5% 1/4W	R906	1-216-065-91	RES,CHIP	4.7K 5% 1/10W
R562	1-249-418-11	CARBON	1.2K 5% 1/4W F	R907	1-216-043-91	RES,CHIP	560 5% 1/10W
R563	1-260-126-11	CARBON	180K 5% 1/2W	R908	1-216-059-00	RES,CHIP	2.7K 5% 1/10W
R564	1-216-091-00	RES,CHIP	56K 5% 1/10W	R909	1-216-071-00	RES,CHIP	8.2K 5% 1/10W
R565	1-216-091-00	RES,CHIP	56K 5% 1/10W	R910	1-216-043-91	RES,CHIP	560 5% 1/10W
R566	1-216-065-91	RES,CHIP	4.7K 5% 1/10W	R911	1-216-059-00	RES,CHIP	2.7K 5% 1/10W
R569	1-260-125-11	CARBON	150K 5% 1/2W	R912	1-216-071-00	RES,CHIP	8.2K 5% 1/10W
R571	1-216-033-00	RES,CHIP	220 5% 1/10W	R913	1-216-041-00	RES,CHIP	470 5% 1/10W
R605	1-216-396-11	METAL OXIDE	3.9 5% 3W F	R914	1-216-041-00	RES,CHIP	470 5% 1/10W
R610	1-215-924-00	METAL OXIDE	15K 5% 3W F	R1201	1-216-023-00	RES,CHIP	82 5% 1/10W
R611	1-202-933-61	FUSIBLE	0.1 10% 1/2W F	R1202	1-216-049-91	RES,CHIP	1K 5% 1/10W
R613	1-219-134-11	FUSIBLE	0.1 10% 1/4W	R1203	1-216-089-91	RES,CHIP	47K 5% 1/10W
R614	1-215-877-11	METAL OXIDE	22K 5% 1W F	R1205	1-216-023-00	RES,CHIP	82 5% 1/10W
R615	1-249-389-11	CARBON	4.7 5% 1/4W	R1206	1-216-089-91	RES,CHIP	47K 5% 1/10W
R616 Δ	1-218-265-11	METAL	8.2M 5% 1W	R1211	1-216-021-00	RES,CHIP	68 5% 1/10W
R617	1-215-924-00	METAL OXIDE	15K 5% 3W F	R1212	1-216-049-91	RES,CHIP	1K 5% 1/10W
R619	1-219-134-11	FUSIBLE	0.1 10% 1/4W	R1215	1-216-113-00	RES,CHIP	470K 5% 1/10W
R620	1-202-962-11	CEMENTED	3.3 5% 10W	R1216	1-216-113-00	RES,CHIP	470K 5% 1/10W
R622	1-207-615-00	WIREWOUND	0.33 10% 2W F	R1218	1-216-041-00	RES,CHIP	470 5% 1/10W
R623	1-247-807-31	CARBON	100 5% 1/4W	R1219	1-216-073-00	RES,CHIP	10K 5% 1/10W
R624	1-216-446-00	METAL OXIDE	18 5% 2W F	R1220	1-216-049-91	RES,CHIP	1K 5% 1/10W
R625	1-249-424-11	CARBON	3.9K 5% 1/4W	R1221	1-216-073-00	RES,CHIP	10K 5% 1/10W
R626	1-249-420-11	CARBON	1.8K 5% 1/4W	R1227	1-216-689-11	RES,CHIP	39K 5% 1/10W
R627	1-249-417-11	CARBON	1K 5% 1/4W	R1228	1-216-049-91	RES,CHIP	1K 5% 1/10W
R628	1-249-417-11	CARBON	1K 5% 1/4W	R1229	1-216-041-00	RES,CHIP	470 5% 1/10W
R629	1-249-401-11	CARBON	47 5% 1/4W	R1230	1-216-073-00	RES,CHIP	10K 5% 1/10W
R632	1-249-381-11	CARBON	1 5% 1/4W	R1231	1-216-049-91	RES,CHIP	1K 5% 1/10W
R636	1-215-924-00	METAL OXIDE	15K 5% 3W F	R1232	1-216-063-91	RES,CHIP	3.9K 5% 1/10W
R801	1-215-921-11	METAL OXIDE	4.7K 5% 3W F	R1233	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
R803	1-216-057-00	RES,CHIP	2.2K 5% 1/10W	R1235	1-216-689-11	RES,CHIP	39K 5% 1/10W
R804	1-216-049-91	RES,CHIP	1K 5% 1/10W	R1239	1-249-389-11	CARBON	4.7 5% 1/4W F
R805	1-216-081-00	RES,CHIP	22K 5% 1/10W	R1240	1-216-025-91	RES,CHIP	100 5% 1/10W
R809	1-260-339-11	CARBON	8.2K 5% 1/2W F	R1241	1-216-049-91	RES,CHIP	1K 5% 1/10W
R811	1-216-350-11	METAL OXIDE	1.2 5% 1W F	R1243	1-216-025-91	RES,CHIP	100 5% 1/10W
R816	1-249-437-11	CARBON	47K 5% 1/4W	R1245	1-216-037-00	RES,CHIP	330 5% 1/10W
R820	1-216-053-00	RES,CHIP	1.5K 5% 1/10W	R1246	1-216-037-00	RES,CHIP	330 5% 1/10W
R821	1-216-475-11	METAL OXIDE	120 5% 3W F	R1247	1-216-041-00	RES,CHIP	470 5% 1/10W
R822	1-216-429-00	METAL OXIDE	270 5% 1W F	R1248	1-216-051-00	RES,CHIP	1.2K 5% 1/10W
R823	1-215-869-11	METAL OXIDE	1K 5% 1W F	R1249	1-216-041-00	RES,CHIP	470 5% 1/10W
R824	1-215-889-00	METAL OXIDE	330 5% 2W F	R1250	1-216-119-00	RES,CHIP	820K 5% 1/10W
R825	1-249-392-11	CARBON	8.2 5% 1/4W F	R1251	1-216-119-00	RES,CHIP	820K 5% 1/10W
R829	1-216-651-11	METAL CHIP	1K 0.50% 1/10W	R1252	1-216-057-00	RES,CHIP	2.2K 5% 1/10W
R831	1-215-887-00	METAL OXIDE	150 5% 2W F	R1253	1-216-051-00	RES,CHIP	1.2K 5% 1/10W
R834	1-216-065-91	RES,CHIP	4.7K 5% 1/10W	R1255	1-216-073-00	RES,CHIP	10K 5% 1/10W
				R1513	1-216-073-00	RES,CHIP	10K 5% 1/10W

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A **C**

REF.NO.	PART NO.	DESCRIPTION	REMARK		
R1514	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1515	1-216-025-91	RES,CHIP	100	5%	1/10W

<SWITCH>

S601 Δ 1-571-433-21 SWITCH, PUSH (AC POWER)

S801	1-572-707-11	SWITCH, LEVER
S901	1-692-431-21	SWITCH, TACTILE
S902	1-692-431-21	SWITCH, TACTILE
S903	1-692-431-21	SWITCH, TACTILE

S904	1-692-431-21	SWITCH, TACTILE
S905	1-692-431-21	SWITCH, TACTILE
S906	1-692-431-21	SWITCH, TACTILE

<SPARK GAP>

SG801 1-519-422-11 GAP, SPARK

<SURFACE WAVE FILTER>

SWF401 1-577-169-12 SAWF

<TRANSFORMER>

T601	Δ 1-429-138-21	TRANSFORMER, CONVERTER (SRT)
T605	Δ 1-424-682-11	TRANSFORMER, LINE FILTER
T801	1-437-195-11	TRANSFORMER, HORIZONTAL DRIVE
T851	Δ 1-453-249-11	FBT ASSY, NX-1733/M3A

<THERMISTOR>

THP601 Δ 1-806-165-12 THERMISTOR (POSITIVE)

<TUNER>

TU101 8-598-323-41 TUNER, VSS BT-AG401

<CRYSTAL>

X101	1-577-358-21	VIBRATOR, CERAMIC
X300	1-411-752-11	COIL
X443	1-567-504-11	OSCILLATOR, CRYSTAL

***** * *****

* A-1331-704-A C BOARD MOUNTED

<CAPACITOR>

C702	1-136-601-11	FILM	0.01MF	5%	630V
C704	1-107-651-11	ELECT	4.7MF	20%	250V
C705	1-102-116-00	CERAMIC	680PF	10%	50V
C706	1-102-116-00	CERAMIC	680PF	10%	50V
C707	1-102-117-00	CERAMIC	820PF	10%	50V

REF.NO.	PART NO.	DESCRIPTION	REMARK		
C708	1-102-116-00	CERAMIC	680PF	10%	50V
C712	1-102-114-00	CERAMIC	470PF	10%	50V
C713	1-102-115-00	CERAMIC	560PF	10%	50V
C716	1-102-106-00	CERAMIC	100PF	10%	50V

<CONNECTOR>

CN701	1-695-915-11	TAB (CONTACT)
CN703	* 1-564-509-11	PLUG, CONNECTOR 6P
CN704	* 1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P

<DIODE>

D701	8-719-991-33	DIODE 1SS133T-77				
D702	8-719-991-33	DIODE 1SS133T-77				
D703	8-719-991-33	DIODE 1SS133T-77				
D705	1-102-106-00	CERAMIC	100PF	10%	50V	
D712	8-719-991-33	DIODE 1SS133T-77				

D713	8-719-991-33	DIODE 1SS133T-77
D714	8-719-991-33	DIODE 1SS133T-77

<JACK>

J701 Δ 1-251-192-11 SOCKET, CRT

<TRANSISTOR>

Q701	8-729-200-17	TRANSISTOR 2SA1091-O
Q702	8-729-200-17	TRANSISTOR 2SA1091-O
Q703	8-729-200-17	TRANSISTOR 2SA1091-O
Q704	8-729-326-11	TRANSISTOR 2SC2611
Q705	8-729-326-11	TRANSISTOR 2SC2611
Q706	8-729-326-11	TRANSISTOR 2SC2611

<RESISTOR>

R701	1-260-133-11	CARBON	680K	5%	1/2W
R702	1-260-123-11	CARBON	100K	5%	1/2W
R703	1-260-135-11	CARBON	1M	5%	1/2W
R705	1-260-079-11	CARBON	22	5%	1/2W
R706	1-260-105-11	CARBON	3.3K	5%	1/2W
R707	1-260-105-11	CARBON	3.3K	5%	1/2W
R708	1-260-105-11	CARBON	3.3K	5%	1/2W
R709	1-215-899-11	METAL OXIDE	15K	5%	2W F
R711	1-215-899-11	METAL OXIDE	15K	5%	2W F
R713	1-215-899-11	METAL OXIDE	15K	5%	2W F
R714	1-247-807-31	CARBON	100	5%	1/4W
R717	1-215-409-00	METAL	330	1%	1/4W
R718	1-249-409-11	CARBON	220	5%	1/4W F
R719	1-247-807-31	CARBON	100	5%	1/4W
R720	1-216-346-00	METAL OXIDE	0.56	5%	1W F
R722	1-215-411-00	METAL	390	1%	1/4W
R725	1-249-409-11	CARBON	220	5%	1/4W F
R726	1-215-479-00	METAL	270K	1%	1/4W
R727	1-215-487-00	METAL	560K	1%	1/4W
R728	1-215-479-00	METAL	270K	1%	1/4W



The components identified by shading
and mark \triangle are critical for safety.
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REF.NO.	PART NO.	DESCRIPTION	REMARK
R730	1-247-807-31	CARBON	100 5% 1/4W
R731	1-249-409-11	CARBON	220 5% 1/4W F
R732	1-215-411-00	METAL	390 1% 1/4W
R733	1-247-791-91	CARBON	22 5% 1/4W
R734	1-247-791-91	CARBON	22 5% 1/4W
R735	1-247-791-91	CARBON	22 5% 1/4W
R749	1-249-424-11	CARBON	3.9K 5% 1/4W
R750	1-249-424-11	CARBON	3.9K 5% 1/4W
R751	1-249-424-11	CARBON	3.9K 5% 1/4W
<VARIABLE RESISTOR>			
RV701	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M	
RV703	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M	

MISCELLANEOUS			

	1-426-145-41	COIL, DEMAGNETIZATION	
	1-452-032-00	MAGNET,DISC	
	1-452-277-00	MAGNET, BMC	
	1-505-547-11	SPEAKER (5X9CM)	
	1-569-008-21	ADAPTOR, CONVERSION 2P	
\triangle	1-574-062-11	CORD, POWER (WITH CONNECTOR) 2.5A/250V	
	8-451-418-51	DEFLECTION YOKE (Y14NDA2-1)	
	8-598-323-41	TUNER,VSS BT-AG401	
\triangle	8-735-562-05	PICTURE TUBE (A34JBU70X)	

REF.NO.	PART NO.	DESCRIPTION	REMARK
ACCESSORIES AND PACKING MATERIALS			

	1-417-151-21	MATCHING TRANSFORMER, ANTENNA	
	1-569-008-21	ADAPTOR, CONVERSION 2P	
	3-860-695-21	MANUAL, INSTRUCTION	
	1-501-730-41	ANTENNA, TELESCOPIC	
*	4-058-239-01	BAG, PROTECTION	
*	4-059-946-01	INDIVIDUAL CARTON	
*	4-059-947-01	CUSHION (UPPER) (ASSY)	
*	4-059-948-01	CUSHION (LOWER) (ASSY)	

REMOTE COMMANDER			

	1-475-358-11	REMOTE COMMANDER (RM-869)	
	9-939-697-01	BATTERY COVER, REMOTE COMMANDER	

SONY[®] SERVICE MANUAL

BG-2S CHASSIS

<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>	<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>
KV-G14M2	RM-869	ME	SCC-U07C-A				
KV-G14M2S	RM-869	GE	SCC-U07C-A				
KV-G14P21S	RM-869	GE	SCC-U05L-A				
KV-G14P2S	RM-869	GE	SCC-U05H-A				
KV-G14Q2	RM-869	E	SCC-U03F-A				
KV-G14Q2	RM-869	ME	SCC-U07D-A				
KV-G14Q2S	RM-869	GE	SCC-U05J-A				
KV-G14S2	RM-869	OCE	SCC-U04B-A				


CORRECTION-1

SUBJECT : CHASSIS NO. CHANGE

File this correction with the Service Manual.

 : Corrected portion

(See cover page)

INCORRECT				CORRECT			
KV-G14M2	RM-869	ME	SCC-U07C-A	KV-G14M2	RM-869	ME	SCC-U07C-A
KV-G14M2S	RM-869	GE	SCC-U07C-A	KV-G14M2S	RM-869	GE	SCC-U05G-A 
KV-G14P21S	RM-869	GE	SCC-U05L-A	KV-G14P21S	RM-869	GE	SCC-U05L-A
KV-G14P2S	RM-869	GE	SCC-U05H-A	KV-G14P2S	RM-869	GE	SCC-U05H-A
KV-G14Q2	RM-869	E	SCC-U03F-A	KV-G14Q2	RM-869	E	SCC-U03F-A
KV-G14Q2	RM-869	ME	SCC-U07D-A	KV-G14Q2	RM-869	ME	SCC-U07D-A
KV-G14Q2S	RM-869	GE	SCC-U05J-A	KV-G14Q2S	RM-869	GE	SCC-U05J-A
KV-G14S2	RM-869	OCE	SCC-U04B-A	KV-G14S2	RM-869	OCE	SCC-U04B-A



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Display Company
TV Display Business Asia

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